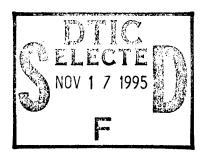


FINAL

COMMUNITY ENVIRONMENTAL RESPONSE FACILITATION ACT REPORT FOR TOOELE ARMY DEPOT - NORTH AREA TOOELE, UTAH



Submitted to:

U.S. ARMY ENVIRONMENTAL CENTER
ABERDEEN PROVING GROUND, MARYLAND 21020

Submitted by:

AGEISS ENVIRONMENTAL, INC. 1900 Grant Street, Suite 1130 Denver, Colorado 80203

19951115 090

USAEC Contract DAAA15-93-D-0006 Delivery Order 001

October 5, 1994

DTIC QUALITY INSPECTED 5

Unlimited Distribution Approved for Public Release

ADDENDUM

JANUARY 30, 1995

FINAL COMMUNITY ENVIRONMENTAL RESPONSE FACILITATION ACT REPORT FOR TOOELE ARMY DEPOT - NORTH AREA TOOELE, UTAH

The revision listed below is necessary based on comments received from the State of Utah and U.S. Environmental Protection Agency review of the Final Community Environmental Response Facilitation Act (CERFA) Report for the Tooele Army Depot - North Area, Tooele, Utah, submitted to the U.S. Army Environmental Center on October 5, 1994 by AGEISS Environmental, Inc.

1) Replace the Parcel 2D-PR(P)/HR(P) entry in the Additional Studies/Remediation column on Page 8 of Table 5-1, located on Page 69 of the October 5, 1994 Final CERFA Report with the following text to provide additional clarification, as requested by the State of Utah.

"Ground truthing is recommended for Parcel 2D to determine if further investigation is required."

Include the two acres immediately to the south of Parcel 2D-PR(P)/HR(P) in Parcel 2D-PR(P)/HR(P). These two acres were previously designated as CERFA parcels; however, per the request of the U.S. Environmental Protection Agency, these two acres are now designated as CERFA disqualified due to the nature and the close proximity of Parcel 2D-PR(P)/HR(P). As such, Parcel 2D-PR(P)/HR(P) now includes a total of 6 acres, and Parcel 18P now includes a total of 222 acres. As a result, the total acreage of CERFA parcels and CERFA disqualified parcels within the Base Realignment and Closure (BRAC) property has also been revised to equal 575 acres and 1062 acres, respectively.

Revise all references to Parcel 2D-PR(P)/HR(P) and 18P, and all references to the total acreages of CERFA parcels and CERFA disqualified parcels presented in the following segments of the October 5, 1994 Final CERFA Report:

Text: Report Documentation Page, Executive Summary and Section 5.0

Tables: Table 5-1, Appendix C Database Table

Graphical Representations: Map 5-1, Figure 5-2

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16. SUPPLEMENTARY NOTATION Report is contained in one volume					
17. COSATI CODES	18. SUBJECT TERMS (cc	ntinue on reverse if neces	sary and identify by b	olock number)	
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19. ABSTRACT (Continue on reverse if necessary and identify by block number) This report presents the results of the Community Environmental Response Facilitation Act (CERFA) investigation conducted by AGEISS Environmental, Inc. (AGEISS) at the Tocele Army Depot - North Area (TEAD-N), a U.S. Government property selected for closure by the Base Realignment and Closure (BRAC) Commission under Public Laws 100-526 and 101-510. The primary objective of this investigation as required under CERFA (Public Law 102-426), is for Federal agencies to expeditiously identify real property offering the greatest opportunity for immediate reuse and redevelopment. The property examined under this investigation consists of a 1,684 acre site located in Tocele County, UT, immediately west of the city of Tocele, UT. Environmentally significant operations associated with the property are vehicle and equipment maintenance, storage, and repair, fuel storage; and hazardous materials storage.					
AGEISS reviewed existing investigation documents, U.S. Environmental Protection Agency (EPA), State, and county regulatory records, environmental databases, and title documents pertaining to TEAD-N during this investigation. In addition, AGEISS conducted interviews and visual inspections of TEAD-N as well as visual inspections and database searches for the surrounding properties. This information was used to divide the 1,684 acre BRAC parcel into four categories of parcels: CERFA parcels, CERFA parcels with qualifiers, CERFA disqualified parcels, and CERFA excluded parcels. Approximately 577 acres of the BRAC parcel fall within the CERFA parcel category, with no evidence of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-regulated hazardous substance or petroleum product release, disposal, or storage. Approximately 47 acres of the facility were identified as CERFA parcels with qualifiers, with no evidence of such release, disposal, or storage, but which contained related environmental, hazard, and safety issues, such as asbestos, radon gas, lead-based paint, unexploded ordnance, radionuclides, or not in-use polychlorinated biphenyl-containing equipment. Approximately 1,060 acres were categorized as CERFA disqualified parcels due to the history of release, disposal, or storage for one year or more of CERCLA-regulated hazardous substances or petroleum products. The remaining areas on the installation have an existing mandate for retention by the Federal government, or have already been transferred by deed and are categorized as CERFA excluded parcels.					
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FINAL

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Submitted to:

U.S. ARMY ENVIRONMENTAL CENTER ABERDEEN PROVING GROUND, MARYLAND 21020

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USAEC Contract DAAA15-93-D-0006 Delivery Order 001

October 5, 1994

The views, opinions, and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision unless by official documentation.

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LIST OF ABBREVIATIONS/ACRONYMS

A Asbestos

ACM Asbestos Containing Material AGEISS Environmental, Inc.

AP Former Ground Disturbance Identified on Aerial Photographs

AREE Area Requiring Environmental Evaluation

Army U.S. Army

AST Above Ground Storage Tank

Bldg. Building

BRAC Base Realignment and Closure

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act CERCLIS Comprehensive Environmental Response, Compensation, and Liability

Information System

CERFA Community Environmental Response Facilitation Act

CFR Code of Federal Regulations
CMF Consolidated Maintenance Facility

CMS Corrective Measures Study
D CERFA disqualified parcel
DOD U.S. Department of Defense

DRMO Defense Reutilization and Marketing Office

E CERFA excluded parcel

ECAS Environmental Compliance Assessment System

ENPA Enhanced Preliminary Assessment
EPA U.S. Environmental Protection Agency

ERI Environmental Research Inc.

ERNS Emergency Response Notification System

°F Degrees Fahrenheit FB Former Building

FINDS Facility Index Related Systems

FS Feasibility Study

GAC Granulated Activated Carbon

HR Hazardous material release/disposal

HS Hazardous material storage IRP Installation Restoration Program

IWL Industrial Waste Lagoon

IWTP Industrial Wastewater Treatment Plant

L Lead-based paint

LUST Leaking Underground Storage Tank

NA Not Available No. Number

NPL National Priorities List
OIWL Old Industrial Waste Lagoon

OSL Open Storage Lot

(P) Possible

P Polychlorinated biphenyl or CERFA parcel

LIST OF ABBREVIATIONS/ACRONYMS (Continued)

PCB Polychlorinated biphenyl
PCP Post-Closure Permit

ppm parts per million

PR Petroleum release/disposal

PS Petroleum storage
Q CERFA qualified parcel

R Radon

RCRA Resource Conservation and Recovery Act

RCRIS Resource Conservation and Recovery Information System

RD Radionuclides

RFI RCRA Facility Investigation Remedial Investigation

SVOC Semivolatile Organic Compound SWMU Solid Waste Management Unit

TCE Trichloroethylene

TCHD Tooele County Health Department

TEAD Tooele Army Depot

TEAD-N Tooele Army Depot - North Area
TEAD-S Tooele Army Depot - South Area

TRPH Total Residual Petroleum Hydrocarbons

μg/L micrograms per liter

USAEC U.S. Army Environmental Center

UST Underground Storage Tank
UXO Unexploded Ordnance
VOC Volatile Organic Compound

X Unexploded ordnance

EXECUTIVE SUMMARY

This report presents the results of the Community Environmental Response Facilitation Act (CERFA) investigation conducted by AGEISS Environmental, Inc. (AGEISS) at the Tooele Army Depot - North Area (TEAD-N), a U.S. Government property selected for closure by the Base Realignment and Closure (BRAC) Commission under Public Laws 100-526 and 101-510. The primary objective of this investigation as required under CERFA (Public Law 102-426), is for Federal agencies to expeditiously identify real property offering the greatest opportunity for immediate reuse and redevelopment. Satisfying this objective requires the identification of real property where no Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) regulated hazardous substances or petroleum products or their derivatives were stored for one year or more, known to have been released, or disposed.

The property examined under this investigation consists of a 1,684 acre site located in Tooele County, UT, immediately west of the city of Tooele, UT. The BRAC parcel that is the subject of this CERFA investigation is actually two geographically discrete parcels located within the east central and southeast portion of TEAD-N. The largest parcel covers most of the Maintenance and Supply Area, while the smaller parcel is located in the Administration Area east of the railroad tracks. Numerous structures and open storage lots are present in the TEAD-N BRAC parcel. The installation's primary mission is to receive, store, issue, maintain, and dispose of munitions; to provide vehicle and equipment maintenance, repair, and storage; to provide installation support to attached organizations; and to operate other facilities as assigned. Environmentally significant operations associated with the property are vehicle and equipment maintenance, storage, and repair; fuel storage; and hazardous materials storage.

AGEISS reviewed existing investigation documents, U.S. Environmental Protection Agency (EPA), State, and county regulatory records, environmental databases, and title documents pertaining to TEAD-N during this investigation. In addition, AGEISS conducted interviews and visual inspections of TEAD-N as well as visual inspections and database searches for the surrounding properties. This information was used to divide the 1,684 acre BRAC parcel into four categories of parcels: CERFA parcels, CERFA parcels with qualifiers, CERFA disqualified parcels, and CERFA excluded parcels.

Areas of the BRAC parcel that have no history of CERCLA-regulated hazardous substance or petroleum product release, disposal, or storage are categorized as CERFA parcels. AGEISS' investigation and subsequent parcelization of the 1,684 acre BRAC parcel determined that approximately 577 acres of the BRAC parcel fall within the CERFA parcel category. The CERFA parcels are located predominantly in the eastern portion of the Maintenance and Supply Area of the BRAC parcel and throughout much of the Administration Area of the BRAC parcel.

Areas of the BRAC parcel that had no evidence of such release, disposal, or storage, but contained related environmental, hazard, and safety issues, such as asbestos, radon gas, lead-based paint, unexploded ordnance, radionuclides, or not in-use polychlorinated biphenyl containing equipment, were categorized as CERFA parcels with qualifiers. Approximately 47 acres of the facility were identified as CERFA parcels with qualifiers.

Areas of the BRAC parcel for which there is a history of release, disposal, or storage for one year or more of CERCLA-regulated hazardous substances or petroleum products were categorized as CERFA disqualified parcels. One thousand sixty (1,060) acres of installation

property are identified as CERFA disqualified parcels. The majority of the CERFA disqualified acreage is underlain by the maximum extent of the trichloroethylene groundwater plume present at the TEAD-N installation.

The remaining areas on the installation have an existing mandate for retention by the Federal government, or have already been transferred by deed and are categorized as CERFA excluded parcels. The remainder of the TEAD-N installation excluding the 1,684 acre BRAC parcel was identified as CERFA excluded.

The accompanying map summarizes the categorization of the TEAD-N BRAC parcel based on the above definitions. This Executive Summary should be used only in conjunction with the complete Final CERFA Report for this installation. The Final CERFA Report provides the relevant environmental history to substantiate the parcel categorization. All available information obtained from October 1993 through September 1994 was reviewed and incorporated into the Final CERFA Report.

The Draft Final CERFA Report was reviewed by the U.S. Army Environmental Center, TEAD-N Installation, Region VIII EPA, and the State of Utah Department of Environmental Quality. The primary objective of CERFA is satisfied by the identification of CERFA parcels and CERFA parcels with qualifiers. As a result, concurrence was sought from the regulatory agencies on these two categories of parcels. Comments from these organizations are incorporated into Appendix D of this final document, including any unresolved issues from the regulatory agencies.

This report does not address other property transfer requirements which may be applicable under the National Environmental Policy Act, nor does it address natural resource considerations such as endangered, rare, or threatened plant or animal life.

1.0 INTRODUCTION

Under Contract DAAA15-93-D-0006, Delivery Order 001, the U.S. Army Environmental Center (USAEC) tasked AGEISS Environmental, Inc. (AGEISS) to prepare an Enhanced Preliminary Assessment (ENPA) and conduct an investigation according to the provisions in the Community Environmental Response Facilitation Act (CERFA) for the realignment of a 1,684 acre parcel located at the Tooele Army Depot - North Area (TEAD-N) in Tooele, UT.

1.1 PURPOSE AND SCOPE

Public Laws 100-526 and 101-510 designated more than 100 U.S. Department of Defense (DOD) facilities for closure and realignment. As a result, it became necessary to expedite the environmental investigation and cleanup process, as necessary, prior to the release and reuse of U.S. Army (Army) Base Realignment and Closure (BRAC) property. The BRAC environmental restoration program was established in 1989 with the first round (BRAC 88) of base closures and continued with subsequent rounds (BRAC 91, BRAC 93, etc.). The BRAC program is patterned after the Army's Installation Restoration Program (IRP), except it has been expanded to include such categories of contamination as asbestos, radon, polychlorinated biphenyls (PCBs), and others that are not normally addressed under the Army IRP.

The BRAC environmental restoration program began by conducting ENPAs. The term "enhanced" is used to distinguish these assessments from previous IRP preliminary assessments, since the BRAC ENPAs are conducted from a property transfer perspective and evaluate areas that are not typically included in the IRP (e.g., asbestos, radon, PCBs). The ENPAs include reviews of existing installation documents, regulatory records, and aerial photographs; a site visit and visual inspection; and employee interviews. ENPAs were conducted for BRAC 88 and BRAC 91 installations, and are currently underway at BRAC 93 installations. An ENPA has been prepared concurrently with this CERFA Report for TEAD-N by AGEISS under the direction of USAEC (formerly USATHAMA).

In October 1992, Public Law 102-426, CERFA amended Section 120 (h) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and established new requirements with respect to contamination assessment, cleanup, and regulatory agency notification and concurrence for Federal facility closures. CERFA requires the Federal government, before termination of Federal activities on real property owned, to identify property where no hazardous substances were stored, released, or disposed. CERFA designations must be concurred with by the appropriate regulatory agency (U.S. Environmental Protection Agency (EPA) for National Priority List (NPL) bases and State on non-NPL bases). These requirements retroactively affect the Army BRAC 88 and BRAC 91 environmental restoration activities, and are being implemented at BRAC 93 sites concurrently with ENPAs. The primary CERFA objective is for Federal agencies to expeditiously identify real property offering the greatest opportunity for immediate reuse and redevelopment. Although CERFA does not mandate the Army transfer real property so identified, the first step in satisfying the objective of CERFA is the requirement to identify real property where no CERCLA-regulated hazardous substances or petroleum products were stored, released, or disposed.

In March 1993, the BRAC Commission called for the transfer of the Tooele Army Depot (TEAD) Maintenance Mission, the Defense Depot Ogden, Tooele Operations Supply Mission,

and the Defense Reutilization and Marketing Office (DRMO) to other DOD installations. Most of the depot's Maintenance and Supply and Administration Areas, except an enclave around the TEAD Headquarters and the ammunition storage areas, are included in the 1,684 acre parcel to be excessed.

AGEISS was awarded the task to identify real property where no CERCLA-regulated hazardous substances or petroleum products were stored, released, or disposed at the TEAD-N BRAC parcel. The purpose of this report is to present the findings of the CERFA investigation for the BRAC parcel at TEAD-N.

1.2 DEFINITION OF TERMS

The following definitions are used to categorize and label parcels identified on the installation:

- ◆ CERFA Parcel A portion of the installation real property for which investigation reveals no evidence of storage for one year or more, release, or disposal of CERCLA hazardous substances, petroleum, or petroleum derivatives and no evidence of being threatened by migration of such substances. CERFA parcels include areas where PCB-containing equipment is in operation, but there is no evidence of release. CERFA parcels also include any portion of the installation which once contained related environmental, hazard, or safety issues including unexploded ordnance (UXO) located on firing ranges or impact areas, radon, stored (not in-use) PCB-containing equipment, asbestos contained within building materials, and lead-based paint applied to building material surfaces, but which have since been fully remediated or removed.
- ♦ CERFA Parcel with Qualifier(s) A portion of the installation real property for which investigation reveals no evidence of storage for one year or more, release, or disposal of CERCLA hazardous substances, petroleum, or petroleum derivatives and no evidence of being threatened by migration of such substances. Parcel does however contain related environmental, hazard, or safety issues including UXO located on firing ranges or impact areas, radon, radionuclides contained within products being used for their intended purposes, asbestos contained within building materials, lead-based paint applied to building material surfaces, or stored (not in-use) PCB-containing equipment.
- ◆ CERFA Disqualified Parcel A portion of the installation real property for which investigation reveals evidence of a release, disposal, or storage for more than 1 year of a CERCLA hazardous substance, petroleum, or petroleum derivative; or a portion of the installation threatened by such a release or disposal. CERFA disqualified parcels also include any portion of the installation where PCBs, asbestos-containing material (ACM), lead-based paint residue, or any ordnance has been disposed of, and any locations where chemical ordnance has been stored. Additionally, CERFA disqualified parcels include any areas in which CERCLA hazardous substances or petroleum products have been released or disposed of and subsequently fully remediated.
- ♦ CERFA Excluded Parcel Portion of the installation real property retained by the DOD, and therefore not explicitly investigated for CERFA. CERFA excluded parcels also include any portion of the installation which have already been

transferred by deed to a party outside the Federal government, or by transfer assembly to another Federal agency.

Table 1-1 provides a description of the CERFA label methodology utilized in the report. Examples for the various label types are also provided.

1.3 GEOGRAPHICAL AND ENVIRONMENTAL SETTING

TEAD-N is located in Tooele County, UT (Figure 1-1). TEAD-N is located within the Tooele Valley in the central portion of northern Utah, immediately west of the town of Tooele, about 35 miles southwest of Salt Lake City. The BRAC parcel that is the subject of this investigation is actually two geographically discrete parcels located within the northeastern portion of TEAD-N.

Descriptions of TEAD-N's environmental setting include physiography, land use, meteorology, surface water, groundwater, flora and fauna, and archeological resources. This information was taken largely from the Tooele Army Depot Preliminary Assessment/Site Investigation Final Report (EA, 1988b).

1.3.1 Physiography

TEAD-N is located in the Great Salt Lake Basin, a large interior drainage basin within the Basin and Range Geologic Province, approximately 35 miles west of the Wasatch Fold and Fault Belt of the Overthrust Geologic Province. The Basin and Range Province is characterized by large fault blocks that trend approximately north to south. Movement along these fault blocks caused the formation of large interior drainage basins with extensive alluvial and lacustrine deposits. TEAD-N is bounded on the west by the Stansbury Mountains, on the east by the Oquirrh Mountains, on the south by South Mountain, and to the north is the Great Salt Lake.

1.3.2 Land Use

With the exception of the cities of Tooele, Grantsville, and Stockton, the area surrounding TEAD-N is largely undeveloped, with predominately grazing and limited cultivation occurring. The town of Grantsville is located approximately 2 miles north of the northwest corner of TEAD-N; the City of Tooele lies adjacent to the northeast corner; and Stockton is located approximately 2 miles to the south along State Highway 36.

Zoning maps and general zoning information were obtained from the Tooele County Department of Engineering and the City of Tooele Engineer's office. Current zoning maps show that the property adjacent to the BRAC parcel is zoned primarily for agricultural, residential, and manufacturing purposes (Figure 1-2).

1.3.3 Meteorology

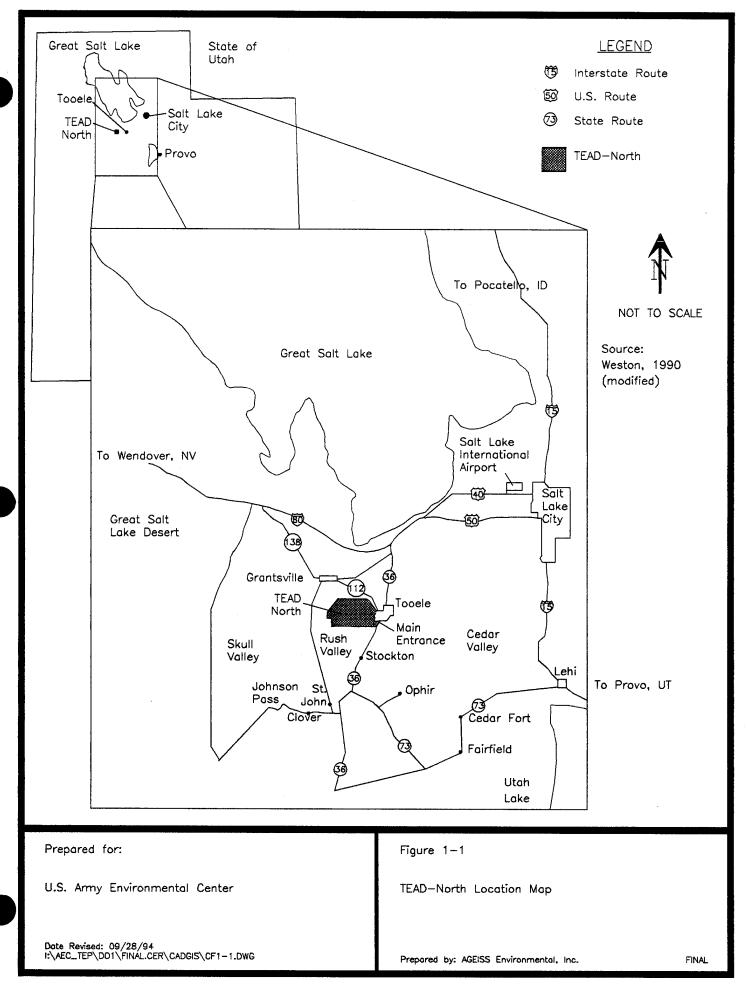
TEAD-N has hot, dry summers, cool springs and falls, moderately cold winters, and general year-round lack of precipitation. Precipitation that does occur usually does so in the form of snow between early fall and late spring. Grantsville, approximately 2 miles northwest of TEAD-N, receives an average of 11 inches of precipitation, and Tooele, adjacent to the eastern boundary of TEAD-N, receives 16.5 inches of annual precipitation.

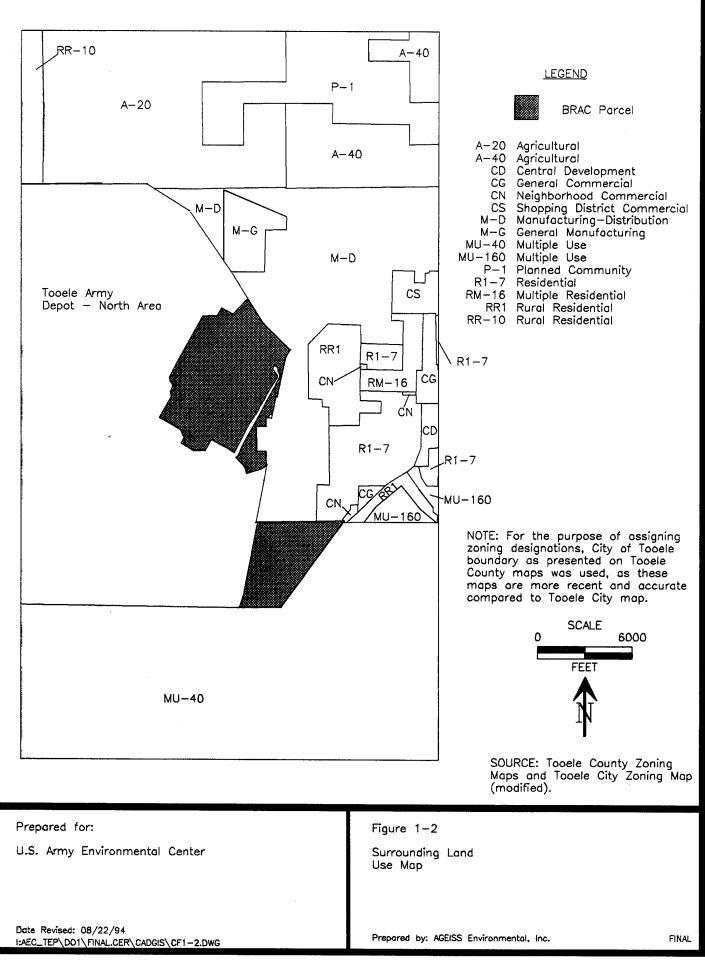
Label Name	Definition	Examples
CERFA PARCEL LABELS	The following labels are used in conjunction with the identified parcels. Each parcel is given an unique number to which the appropriate labels are attached.	4P indicates that the fourth parcel is in the CERFA parcel category.
	P = CERFA Parcel Q = CERFA Qualified Parcel D = CERFA Disqualified Parcel E = CERFA Excluded Parcel	
CERFA QUALIFIER LABELS	The presence of related environmental, hazard, and safety issues, which places a parcel in the CERFA parcel with qualifier category, is indicated by the following labels:	50-L indicates that the fifth parcel is in the CERFA parcel with qualifiers category, because of the presence of lead-based paint.
	A = Asbestos L = Lead-Based Paint P = PCB R = Radon X = UXO RD = Radionuclides	
CERFA DISQUALIFIED LABELS	Storage, release, or disposal of a CERCLA hazardous substance, petroleum, or petroleum derivitative, which places a percel in the CERFA disqualified category, are indicated by the following labels:	12D-HR indicates that the twelfth parcel is in the CERFA disqualified category, because of evidence of hazardous material release.
-1	PR = Petroleum Release/Disposal PS = Petroleum Storage HR = Hazardous Material Release/Disposal HS = Hazardous Material/Disposal	
LABEL DESIGNATION FOR UNVERIFIED INFORMATION	For all types of parcels, (P) [i.e., P with parentheses around it] is used to indicate that the presence of the contamination is possible, but that data is unavailable for verification.	90-4(P) indicates that the ninth parcel is in the CERFA parcel with qualifier category, because of possible presence (unverified) of ACM.
OTHER EXAMPLES	None.	15D-HR/PS/A(P) indicates that the 15th parcel is in the CERFA disqualified category, based on evidence of a hazardous material release and petroleum storage. This parcel also contains possible ACM.
OTHER EXAMPLES	None.	8Q-RD/R indicates that the 8th parcel is in the CERFA parcel with qualifier category, because of the presence of radionuclides and radon.

⋖	Asbestos	۵.	Polychlorinated biphenyl or CERFA parcel
ACM	Asbestos Containing Material	P. B.	Polychlorinated biphenyl
CERCLA	CERCLA Comprehensive Environmental Response, Compensation, and Liability Act	ᄄ	Petroleum release/disposal
CERFA	CERFA Community Environmental Response Facilitation Act	8	Petroleum storage
۵	CERFA disqualified parcel	<u>@</u>	Possible
ш	CERFA excluded parcel	ō	CERFA qualified parcel
또	Hazardous material release/disposal	Œ	Radon
왚	Hazardous material storage	2	Radionuclides
_	Lead-Based Paint	×	Unexploded Ordnance
			•

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The interaction of the Salt Lake Basin and the shallow Great Salt Lake causes a sea-breeze circulation throughout the basin called the local wind circulation. Winds rarely exceed 10 miles per hour although a constant air interchange is occurring. The average annual temperature ranges from a high of 80 degrees Fahrenheit (*F) in July to a low of 30 *F in January.

1.3.4 Surface Water

TEAD-N is located in Tooele Valley, which is bordered to the north by the Great Salt Lake at an elevation of 4,200 feet above mean sea level. Drainage from the surrounding mountains disappears in the valley floor.

No perennial streams exist at TEAD-N, but there are five perennial streams originating in the Oquirrh Mountains to the east and the Stansbury Mountains to the west. Together these streams contribute approximately 17,000 acre feet of water per year to the Tooele Valley. South Willow Creek, an ephemeral drainage that enters TEAD-N at the northwestern boundary is the largest stream in the Tooele Valley. Box Elder Wash, also an ephemeral drainage, enters the boundary of TEAD-N in the southwest and crosses from south to north. There are also four large springs in the Tooele Valley, but these are outside the boundaries of TEAD-N.

Storm runoff drainage systems have been constructed in several areas of TEAD-N. The drainage from these systems ends in spreading areas or natural drainage channels on base property. The stormwater drainage in the Maintenance and Supply Area of the BRAC parcel is accomplished by an interconnected system of open drainages, drainage manholes, catch basins, and storm sewer mains. Stormwater drainage in the southern half of Administration Area of the BRAC parcel occurs via a similar system. Storm sewer mains in both the Maintenance and Supply Area and the Administration Area are constructed of predominantly vitrified clay. Stormwater drainage systems in both areas of the BRAC parcel direct runoff in a general northwest direction.

1.3.5 Groundwater

Groundwater flow at TEAD-N is part of a larger regional system that includes Rush and Tooele Valleys. Within this regional groundwater flow system, water migrates from areas of recharge to areas of discharge. The recharge areas generally lie along the edges of valleys and receive recharge from mountain streams. Discharge occurs in one of two ways, either by interconnections from adjoining flow systems or through evapotranspiration and surface water bodies.

Groundwater within TEAD-N occurs under confined, unconfined, perched, and mounded conditions. The potable water at TEAD-N is derived from the bedrock and alluvium aquifers. Groundwater flowing through the bedrock does so through fractured sandstone, quartzite, limestone, and dolomite. The alluvial groundwater flows through saturated fan deposits. These two groundwater sources consist of a single interconnected aquifer system.

The depth to potable groundwater under TEAD-N ranges from 200 to greater than 700 feet. This groundwater generally flows from the east and south toward the center of the valley and finally north toward the Great Salt Lake.

Groundwater contamination in an alluvial and bedrock aquifer has occurred at TEAD-N. The contamination resulted from the former operation of an industrial waste lagoon (IWL) and

unlined ditches which carried waste materials to the lagoon (Solid Waste Management Unit (SWMU) 2). The IWL is located northwest of the subject BRAC parcel. The resulting groundwater plume is situated in the northeastern portion of TEAD-N and subsequently underlies the subject BRAC parcel. The groundwater is contaminated with a variety of volatile organic compounds (VOCs), the most widespread of which is trichloroethylene (TCE).

Additional groundwater contamination has also been detected associated with former operations at the Sanitary Landfill (SWMUs 12 and 15) located to the south of the Maintenance and Supply Area of the BRAC parcel. The primary contaminant associated with the resulting plume is TCE. A relatively small groundwater plume is present beneath the Sanitary Landfill. This plume extends up into the southern portion of the Maintenance and Supply Area, where it coalesces with the southernmost portion of the plume associated with the IWL (REI, 1994b).

1.3.6 Flora and Fauna

Climate has had a profound influence on the flora of Tooele Valley. The lack of precipitation, low humidity, high summer temperatures, and light winds have forced plants to adapt to a very high rate of evapotranspiration. Soils are a significant determinant of flora in the area. Many plants have adapted to the soil conditions, including alkaline pH, saline content, low soil moisture content, lack of humus, high mineral ion content, and varying soil depths and types; but these factors also tend to limit the number of plants.

TEAD-N is in the area classified as an Artemisia Biome, which is characterized by sagebrush (Artemisia) and saltbrush, and can be divided into numerous range site types. Vegetation mapping indicates that three range site types comprise the BRAC parcel (REI, 1994a). The portion of the BRAC parcel that is located in the Maintenance and Supply Area has been characterized as Upland Stoney Loam (Pinon-Utah Juniper), which contains bluebunch wheatgrass, cheatgrass, mountain big sagebrush, Utah juniper, and yellowbrush. Important plant species include black sagebrush, bluegrass, and antelope bitterbrush. The portion of the BRAC parcel that is located in the Administration Area has been characterized as Upland Loam (Mountain Big Sagebrush) and Upland Gravelly Loam (Mountain Big Sagebrush), which contains mountain big sagebrush, rabbitbrush, bluebunch wheatgrass, antelope bitterbrush, and some Utah juniper. Important plant species are Indian ricegrass and bluegrass.

The condensed growth and reproduction periods of the plant communities in Tooele Valley limit the ecological niches available to animal species. Competition for food sources is severe during the hot, dry summer and winter dormancy periods. In addition, animals must adapt to these climatic conditions. They have adapted as hibemators, estivators, diurnals, or nocturnals, or have physiological adaptations that enable them to survive drought and heat, or cold and snow.

Approximately 127 wildlife species have been identified in the vicinity of TEAD-N, including 58 species of mammals and 63 species of birds. Six reptiles were also identified. No fish or amphibians were identified (REI, 1994a). Several species of game animals exist in the vicinity of TEAD-N. Mule deer, mountain cottontail, and desert cottontail inhabit the area. Furbearing animals include coyote and bobcat. Game birds include sage grouse, Gambil's quail, short-tailed grouse, blue grouse, ruffed grouse, and the imported ring-necked pheasant and chukar. In addition to the local game birds, there are 37 species of migratory waterfowl that use the flyways through the Depot. Several species have been eliminated from the areas, including bison, grizzly bear, elk, black bear, pronghorn antelope, and mountain sheep. The

mountain sheep, pronghom antelope, and elk have been or are being reintroduced, mainly in the mountains (EA, 1988b).

There are 15 endangered, candidate, or sensitive wildlife species either known to occur or that potentially occur on TEAD-N. Eleven of these are protected by the Endangered Species Act of 1973, Section 668-668d (REI, 1994a). Nine endangered, candidate, or sensitive bird species have been either identified in the region or observed on the TEAD-N facility. Of these species, the bald eagle and the peregrine falcon are endangered species; all of the others are Federal Candidate Species (Category II). The golden eagle, which is protected under the Eagle Protection Act, has also been observed at TEAD-N. These protected species include the following:

- Bald eagle
- ♦ American peregrine falcon
- Western snowy plover
- ♦ White-faced ibis
- Swainson's hawk
- ♦ Western vellow-billed cuckoo
- ♦ Mountain plover
- ♦ Golden eagle

Additionally, two Federal candidate mammalian species, the Skull Valley pocket gopher and the spotted bat, may also occur on the site. Four Utah State sensitive species occur on the site either as permanent or seasonal residents, or they may potentially occur on the site. These species include mule deer, pronghorn antelope, sage grouse, and chukar.

1.3.7 Archeological Resources

Tooele Valley has supported four separate Indian cultures. The Early Desert Archaic culture inhabited the area some 11,000 years ago, followed by the Late Desert Archaic, Freemont, and Numic-speaking cultures.

The Freemont culture (circa 700 A.D. to circa 1400 A.D.) was the most important in the area from an archaeological perspective. The Freemonts were horticulturally oriented, augmenting their diet with hunting. Freemont hunting and recreational sites are located in the Sandy Hills Area. Pottery and bows and arrows were used by the Freemonts and some artifacts have been found in this area. The Freemonts set up a community on South Willow Creek with over 100 pit dwellings along the banks on land either owned or controlled in part by TEAD. Eight of the dwellings are within TEAD's perimeter fence and are relatively undisturbed. None of the dwellings inside the installation are located within the BRAC parcel, however. The dwellings outside of TEAD have been severely damaged by archaeological excavation in the past. An 80-acre reservoir is planned by the Utah Department of Natural Resources for South Willow Creek abutting TEAD. The planned reservoir would inundate the majority of the Freemont sites outside of TEAD (EA, 1988b).

The Numic-speaking culture (Shoshones) was the last Indian culture in the vicinity. This tribe appeared 100 to 200 years before the Freemont culture disappeared. The Numic-speaking culture, which was a more nomadic hunting culture than the Freemont peoples, adapted to the

increased aridity and still live nearby on the Goshute Reservation and the Skull Valley Indian Reservation (EA, 1988b).

A 4-foot high by 5-foot in diameter rock covered by petroglyphs in a deteriorated state was found in the northeast portion of TEAD-N, outside of the BRAC parcel. Although the petroglyph was found in an area of rock outcropping, no other petroglyphs have been found. In 1992, a cover was constructed over the rock to protect it from further deterioration. The petroglyph has been nominated for inclusion in the National Historical Register (EA, 1988b).

Additional traces of prehistoric habitation have recently been uncovered near the western boundary of TEAD-N, within the limits of the installation. The extent and importance of this site have not yet been determined (EA, 1988b).

2.0 SCOPE OF INVESTIGATION

The CERFA investigation for the BRAC parcel at TEAD-N is based upon document and map review; three site visits; interviews with installation, USAEC, and regulatory personnel; review of Federal, State, and local regulatory files; and review of title documents. These procedures are discussed in detail below.

2.1 DOCUMENT AND MAP REVIEW

As part of the CERFA investigation, all available reports related to the ongoing CERCLA and Resource Conservation and Recovery Act (RCRA) investigations were reviewed, as well as earlier environmental reports prepared for TEAD-N. Recent basic information maps provided by the installation were reviewed for information regarding surface water drainage and the location of wastewater pipelines. Historical maps were not available; however, EPA's (1982) photographic interpretation of TEAD-N was reviewed to determine possible areas of past use, storage, treatment, and disposal of potentially toxic and hazardous materials within the BRAC parcel. This study analyzed aerial photographs from 1953, 1959, 1966, and 1981 (EPA, 1982). Also, the Aerial Photographic Site Analysis of the BRAC parcel completed by Environmental Research Inc. (ERI) was reviewed (ERI, 1993). All maps and documents reviewed as part of the CERFA investigation are listed in Table 2-1.

The installation's spill report file and hazardous materials inventory and usage report (Appendix A) were reviewed. Hazardous waste manifest summaries and installation surveys for asbestos, PCBs, radon, and underground storage tanks (USTs) were also obtained and reviewed. These items are presented in the appendices of the ENPA for TEAD-N, also prepared by AGEISS, concurrent with the CERFA effort.

Additionally, TEAD-N radioactive material usage files for TEAD provided by the Army Environmental Health Laboratory and the Army Environmental Hygiene Agency were also reviewed during the CERFA investigation.

2.2 SITE VISITS

AGEISS conducted three site visits to TEAD-N, on October 12 through 14, 1993, October 25 through 28, 1993, and August 23, 1994, to obtain additional information through direct observation and interviews with personnel familiar with the property, its operations, and history. During the site visits, visual inspections of the BRAC parcel were conducted; documents and inventories available at the installation were obtained and reviewed; other relevant data from the State and county government regulatory agencies were obtained; and personnel interviews were conducted.

AGEISS inspected the 1,684 acre BRAC parcel via walking tours with installation personnel knowledgeable of the particular areas. Large open areas, such as the open storage lots (OSLs) and the open fields at the west end of the Maintenance and Supply Area, and the open field northeast of the Administration Area were not walked, but inspected by a windshield survey and aerial photograph review. Surrounding properties were inspected by conducting a windshield survey along BRAC parcel perimeter roads and by reviewing aerial photographs.

2.3 INTERVIEWS

Installation and USAEC personnel, and Federal, State, and local regulators were interviewed regarding current and historical operations, violations, permits, etc. Numerous installation personnel were interviewed. A relatively small number of people who have worked at TEAD-N

Date	Title	Author
December 1979	Installation Assessment Report of Tooele Army Depot	U.S. Army Toxic and Hazardous Materials Agency
January 1982	Installation Assessment Tooele Army Depot (North Area), Utah (Aerial Photographs)	EPA
October 1982	Assessment of Environmental Contamination Exploratory Stage - Tooele Army Depot, Tooele, Utah	Earth Technology Corporation
December 1987	Draft Interim RCRA Facility Assessment Report Tooele Army Depot - North Area	NUS
December 1988	Tooele Army Depot Preliminary Assessment/Site Investigation Final Report	EA Engineering, Science, and Technology, Inc.
April 1989	Corrective Action Plan for Ground-Water Remediation Tooele Army Depot, Utah	U.S. Army Corps of Engineers
December 1990	Task Order 9 Final Remedial Investigation Report for Tooele Army Depot - North Area	Roy F. Weston
February 15, 1991	Final Groundwater Quality Assessment for Tooele Army Depot	Environmental Science & Engineering, Inc.
February 1991	Final Asbestos Survey Report for Tooele Army Depot, Tooele, Utah	Pickering Environmental Consultants, Inc.
April 1991	TEAD Basic Information Maps	TEAD Office of the Facilities Engineer
May 28, 1991	Memorandum on Groundwater Discharge Points	TEAD Environmental Office
July 31, 1991	Results of Radon Monitoring Program	TEAD Safety Office
August 1991	Tooele Army Depot Groundwater Remediation Program Air Stripper System Specifications	Metcalf & Eddy
November 1991	Final Tooele Army Depot - North Area Known Releases RCRA Facility Investigation - Phase I	Advanced Sciences, Inc.
June 1992	Tooele Army Depot Hazardous Waste Management Plan	TEAD Environmental Office
September 1992	Hazardous Waste Contingency Plan for TEAD-N	TEAD Environmental Office
October 1992	Public Law 102-426, CERFA	U.S. Congress
February 1993	RCRA Facility Investigation Phase II Final Data Collection Quality Assurance Plan for Known Release SWMUs Tooele Army Depot - North Area	SEC Donohue, Inc.
June 21, 1993	Tooele Army Depot Environmental Compliance Assessment System Audit	TEAD Directorate of Industrial Risk Management
July 1993	Tooele Army Depot - North Groundwater Remediation Program Extraction Well Work Plan	Metcalf & Eddy
July 1993	The Development and Implementation of a Hydrogeologic Flow Model for Application to a Pump and Treatment System, Tooele Army Depot, UT	U.S. Army Corps of Engineers

NOTE: An acronym list is provided on the last page of this table.

Date	Title	Author
Updated as of July 1993	TEAD Air Management Unit List	TEAD Environmental Office
July 13, 1993	1993 Annual PCB/PCB-Contaminated Transformer Audit Inspection	TEAD Environmental Office
August 1993	Final Phase I RCRA Facility Investigation Report, Tooele Army Depot - North Area Suspected Releases SWMUs	Montgomery Watson
August 24, 1993	Memorandum on Identification of 90 Day and Satellite Accumulation Areas at Tooele Army Depot - North Area	TEAD Environmental Office
September 1, 1993	CERFA Guidance Letter #1	USAEC
Updated as of September 13, 1993	CERCLIS Site Listing	EPA
September 20, 1993	CERFA Parcelization Guidelines	USAEC
September 21, 1993	CERFA Map Table Guidelines	USAEC
September 22, 1993	CERFA Guidance Letter #2	USAEC
September 29, 1993	Memorandum from Major Paul E. Wojciechowski to Earth Technology Corporation	USAEC
Updated as of October 1993	Building Information Schedule	TEAD Office of the Facilities Engineer
Updated as of October 7, 1993	Tooele Army Depot North RCRA Index	Utah Department of Health Compliance Branch
Updated as of October 7, 1993	Spill Report Printout	TEAD Environmental Office
Updated as of October 12, 1993	Tooele Army Depot - North Area Hazardous Materials Printout	TEAD Environmental Office
Updated as of November 2, 1993	Tooele Army Depot - North Area Hazardous Waste Manifest Printout	TEAD Environmental Office
No date available	CERFA Guidance Letter #3	USAEC
No date available	CERFA Guidance Letter #4	USAEC
No date available	Summary of Excess Property Planning for BRAC 93 Impacts on Tooele Army Depot	USAEC
December 1993	Aerial Photographic Site Analysis, BRAC Parcel, Tooele Army Depot North, Utah	Environmental Research, Inc.
January 24, 1994	Standardized CERFA Report Sections	USAEC
February 1994	Tooele Army Depot - North Area Final Remedial Investigation Report for Operable Units 4-10	Rust Environment and Infrastructure
March 24, 1994	CERFA Guidance Letter #5	USAEC
March 31, 1994	Additional Standard CERFA Report Section	USAEC

Date	Title	Author
August 1994	Tooele Army Depot - North Area Final Draft RCRA Facilities Investigation Report, Phase II Study, Known-Releases SWMUs, Volume I	Rust Environment and Infrastructure
Various	Radioactive Material Usage Files for Tooele Army Depot	U.S. Army Environmental Health Laboratory and U.S. Army Environmental Hygiene Agency

BRAC CERCLIS Base Realignment and Closure Comprehensive Environmental Response,

PCB RCRA Compensation, and Liability Information SWMU TEAD

Polychlorinated biphenyl

Resource Conservation and Recovery Act Solid Waste Management Unit

Tooele Army Depot

Community Environmental Response **Facilitation Act** U.S. Environmental Protection Agency TEAD-N USAEC Tooele Army Depot-North Area U.S. Army Environmental Center

System

CERFA

EPA

for a considerable length of time were interviewed and provided the majority of information regarding the BRAC parcel. Recent downsizing at the installation, has resulted in the elimination of many jobs; therefore, additional personnel with long-term experience were unavailable.

Mr. Larry McFarland, the BRAC Environmental Coordinator for TEAD, provided general environmental information for the entire BRAC parcel. Mr. Lloyd Laycock, Consolidated Maintenance Facility (CMF) Common Area Project Manager, provided very useful historical information regarding the heavy industrial areas located at the south end of the Maintenance and Supply Area. Ms. Judy Holman, a process planner for hazardous materials that has worked at TEAD-N for 14 years, provided much of the information regarding the warehouses and storage facilities at the north end of the Maintenance and Supply Area. Mr. Pat Sullivan, a chemical engineer who supervises the operation of the Industrial Wastewater Treatment Plant (IWTP), provided information regarding the operation of this facility, as well as other facilities operations in the Maintenance and Supply Area. A list of all personnel interviewed is provided in Table 2-2.

2.4 REGULATORY RECORDS

The regulatory status of the BRAC parcel at TEAD-N was examined to determine the existence of and compliance with, for example, consent decrees, permits, injunctions, restraining orders, and memoranda of understanding or agreement. As part of this process, AGEISS reviewed the following regulatory files and interviewed various personnel from the following offices:

Federal Regulatory Review:

- ♦ EPA Region VIII CERCLA office
- ♦ EPA Region VIII RCRA office
- ♦ EPA Region VIII Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Database
- NPL
- ◆ Emergency Response Notification System (ERNS) Database
- Resource Conservation and Recovery Information System (RCRIS) Notifiers
 List

State Regulatory Review:

- State of Utah's CERCLA office
- ♦ State of Utah's RCRA office
- ◆ State of Utah's leaking underground storage tank (LUST) and UST files

Local Regulatory Review:

- ◆ Tooele County Health Department (TCHD) office
- ◆ Tooele County Department of Engineering office
- ♦ City of Tooele Engineer's office

No.	Date	Name	Title	Organization
1	10/12/93	Larry McFarland	BRAC Environmental Coordinator	TEAD - Environmental Office
2	10/12/93	Larry Fisher	Environmental Engineer	TEAD - Environmental Office
3	10/12/93	Walton Levi	Environmental Engineer	TEAD - Environmental Office
4	10/12/93	Mike Strong	Environmental Engineer	TEAD - Environmental Office
5	10/12/93	Dean Higley	Environmental Engineer	TEAD - Environmental Office
6	10/12/93	Al Porter	Program Analyst	TEAD - Environmental Office
7	10/13/93	Diana Lujan	Supervisor - Bldg. 1000	TEAD
8	10/13/93	David Wayland	Technician - Bldg. 1011	TEAD
9	10/13/93	Sergeant Dennison	NA	Utah National Guard
10	10/13/93	Julie Robbins	Hazardous Waste Specialist - Bldg. 615	TEAD
11	10/13/93	Max Schiess	Environmental Protection Specialist	TEAD - Environmental Office
12	10/14/93	Monty Rashwan	Environmental Engineer	TEAD - Environmental Office
13	10/14/93	Dave Bleazard	Chief, Planning Branch	Defense Logistics Agency
14	10/14/93	Ron Levitt	Warehousing Foreman	Defense Logistics Agency
15	10/14/93	Pat Neugent	Warehouseman - Bldg. 659	Defense Logistics Agency
16	10/14/93	Judy Holman	Process Planner for Hazardous Materials	Defense Logistics Agency
17	10/14/93	John Harless	Front Desk Clerk - Bldg. 1004	TEAD
18	10/21/93	Bryce Christansen	Radiation Protection Officer	TEAD - Safety Office
19	10/13/93	Brad Maulding	Compliance Specialist - RCRA	State of Utah RCRA Office
20	10/13/93	Dave Larson	TEAD Lead - RCRA	State of Utah RCRA Office
21	10/13/93	Donald Jones	Plant Manager	TEAD - Vehicle Remanufacturing Facility
22	10/13/93	Richard Perrella	Hazardous Waste Specialist - Bldg. 619 & 602	TEAD
23	10/13/93	Jerry Dugdale	Hazardous Waste Specialist - Bldg. 612	TEAD
24	10/13/93	Ruth Olson	Assistant to L. Laycock	TEAD
25	10/13/93	Lloyd Laycock	Consolidated Maintenance Facility Common Area Project Manager	TEAD
26	10/14/93	Mike Powell	Manager - Battery Repair and Charging Shop	TEAD

Note: An acronym list is provided on the last page of this table.

Table 2-2. List of People Interviewed for TEAD-N CERFA Investigation.

Page 2 of 2.

No.	Date	Name	Title	Organization
27	10/15/93	Nancy Johnson	Records Specialist	State of Utah CERCLA and Environmental Response Branch
28	10/25/93	Steve Cash	General Engineer	TEAD - Facilities Office
29	10/25/93	Dorinda Benson	Real Property Technician/Specialist	TEAD - Facilities Office
30	10/25/93	Bob Kinsinger	Mechanical Engineer	TEAD - Facilities Office
31	10/25/93	Robert Marshall	Engineering Technician	TEAD - Facilities Office
32	10/25/93	Randy Tyler	Civil Engineer	TEAD - Facilities Office
33	10/25/93	Pat Sullivan	Chemical Engineer	TEAD - Facilities Office
34	10/25/93	Tom Ware	Utilities Branch Chief	TEAD
35	10/25/93	Roy Fraiser	Depot Photographer	TEAD - Photo Lab
36	10/25/93	Red Ridder	DRMO Assistant	TEAD
37	10/25/93	Louis Brems	Chief, DRMO Operations	TEAD
38	10/26/93	Brian Slade	Environmental Health Scientist	TCHD
39	10/26/93	J. Raymond Johnson	Professional Engineer, Director	Tooele County Department of Engineering
40	10/27/93	Various Clerks	Engineer's Assistants	City of Tooele Engineer's Office
41	10/28/93	Anne Kelly	Database Coordinator	TEAD - Environmental Office
42	10/07/93	Henry Schroeder	TEAD CERCLA Lead/Remedial Project Manager	EPA Region VIII CERCLA Office
43	10/07/93	Stan Zanistowski	TEAD RCRA Lead	EPA Region VIII RCRA Office
44	10/26/93	Bob Pannunzio	Boiler Plant Operator	TEAD
45	10/26/93	Gary Poloskey	Plumber	TEAD
46	11/10/93	Jeff Coombs	Inspector	TCHD
47	11/08/93	Russ Flint	Hazardous Waste Manifest Coordinator	TEAD-DRMO

Bidg. Building

BRAC Base Realignment and Closure

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

CERFA Community Environmental Response Facilitation Act

DRMO Defense Reutilization and Marketing Office U.S. Environmental Protection Agency **EPA**

NA Not Available

No. Number

RCRA Resource Conservation and Recovery Act

Tooele County Health Department Tooele Army Depot **TCHD**

TEAD TEAD-N Tooele Army Depot-North

2.4.1 Federal Regulatory Review

EPA Region VIII CERCLA and RCRA files for TEAD-N were reviewed in order to identify any violations or other concerns that had not been previously identified. Additionally, EPA Region VIII's CERCLIS database was accessed to identify any nearby sites found on the CERCLA data system. This database tracks sites that are usually abandoned or inactive hazardous waste sites that are being reviewed to determine the extent of public hazard. Seven CERCLIS sites, excluding TEAD-N and Tooele Army Depot - South Area (TEAD-S), were identified in the TEAD-N zip code. None of the sites are located within 1 mile of the BRAC parcel. As such, any potential contamination associated with these sites is not expected to impact the BRAC parcel. A printout provided by EPA substantiating this information is included in Appendix B of the CERFA report. The NPL was also reviewed to identify any nearby Superfund sites, those that are determined by EPA to pose an immediate public health hazard. No Superfund sites were found within a 1-mile radius of TEAD-N.

Information provided by the EPA ERNS, a database housing information on hazardous spills nationwide, was also reviewed. This information is based on reports filed by local agencies such as fire and police; county agencies; State entities; and Federal agencies, such as the Coast Guard, the National Response Center, and EPA. One site, ERNS Case #89857, involved a railroad tanker car which leaked 100 gallons of hydrochloric acid adjacent to the northeast side of TEAD-N, within 1 mile of the BRAC parcel. Further investigation of this spill via an interview with Mr. McFarland indicated that the spill, which occurred in 1989, was cleaned up by emergency response crews and therefore should be of no impact to the BRAC parcel. A second spill, ERNS Case #930193, involving a release of approximately 100 gallons of diesel fuel, reportedly occurred along the same railroad near the northern entrance to TEAD-N. Since this release occurred downgradient of the installation, impact to TEAD-N is not anticipated, despite the close proximity of the spill. The location of a third spill, ERNS Case #86464, was noted but could not be specifically located in reference to the BRAC parcel. Mr. McFarland is unaware of any reported impact to the BRAC parcel from either of these ERNS cases, however. The ERNS printout for Tooele County, UT is included in Appendix B of this report.

The EPA Facility Index Related Systems (FINDS) report, an index of related environmental databases, was also reviewed as a cross reference to determine if any other sites were documented that may be impacting the BRAC parcel. Two additional sites of potential concern were noted on this list; however, the nature of the facilities involved and their locations in reference to the BRAC parcel could not be determined. Mr. McFarland is unaware of any reported impact to the BRAC parcel from these two additional sites. The FINDS list is also included in Appendix B of this report.

The EPA RCRIS database was accessed to obtain the RCRIS Notifier List. Twenty-four facilities were identified within TEAD-N's zip code; however, only one of these facilities, Glen's Excavating and Grading, Inc., is located in the vicinity of the BRAC parcel. This facility is located north of Farm Road 112 at the north end of TEAD-N's Maintenance and Supply Area. Within RCRIS, Glen's Excavating and Grading, Inc. is identified as a very small quantity generator (less than 100 kilograms hazardous waste per month) and a hazardous waste transporter. The RCRIS Notifiers List obtained as part of this CERFA investigation is provided in Appendix B.

In addition, Mr. Henry Shroeder, the EPA Region VIII CERCLA lead and Remedial Project Manager for TEAD, and Mr. Stan Zawistowski, the EPA Region VIII RCRA lead for TEAD were interviewed during the CERFA investigation. Neither Mr. Shroeder or Mr. Zawistowski was aware of any violations or other concerns regarding the BRAC parcel or the surrounding vicinity which were not previously identified in TEAD-N IRP documents reviewed during the CERFA investigation. The RCRA Index for TEAD-N was also obtained from EPA Region VIII; however, no significant information in addition to that presented in IRP documents was discovered.

2.4.2 <u>State Regulatory Review</u>

Various personnel in the State of Utah's RCRA and CERCLA offices were also interviewed during the CERFA investigation to determine if violations or other concerns exist in the BRAC parcel or the surrounding vicinity which were not previously identified in TEAD-N IRP documents. Specifically, Mr. Brad Maulding, a State of Utah RCRA compliance specialist, and Mr. Dave Larson, the State of Utah RCRA lead for TEAD were interviewed on October 13, 1993. Ms. Nancy Johnson, a records specialist for the State of Utah CERCLA and Environmental Response Branch (which includes the UST division) was interviewed on October 15, 1993.

Mr. Maulding indicated that all of the previous violations and other concerns that he was aware of regarding TEAD-N were already being addressed by the IRP process. Mr. Maulding did note that salvage yards such as the one adjacent to the BRAC parcel may produce contamination; however, Mr. Maulding also noted that at the time of the CERFA investigation, no records documenting public concerns, potential hazardous releases, or other violations associated with any of the salvage yards in the vicinity of the BRAC parcel were present in the State of Utah RCRA files for these facilities. A windshield survey was performed to inspect the salvage yard adjacent to the BRAC parcel, and additional installation, Federal, State, and Local (including the TCHD) regulatory personnel interviews and file searches were performed to further investigate that potential for salvage yard contamination entering the BRAC parcel. No evidence of any potential salvage yard contamination entering the BRAC was discovered during this exhaustive search, therefore, operations at the adjacent salvage yard were not considered to be impacting the BRAC parcel.

During a supplemental phone conversation on October 26, 1993, Mr. Larson noted that additional areas of environmental concern located within the BRAC parcel were identified during a site visit performed the week of October 18, 1993. Specifically, these areas include portions of the industrial wastewater system which connect structures in the Maintenance and Supply Area to the upgraded wastewater distribution system. These portions of the system have not been upgraded and their integrity is therefore suspect. The State of Utah has recently designated the old wastewater distribution system part of SWMU 49. Reportedly, the potential for drainage of industrial effluent directly into the stormwater system was also noted in some Administration Area structures during the October 18, 1993 site visit by the State, including the photographic laboratory and the print shop; however, further investigation indicates that these discharges are within permit-specified limits. These concerns have been addressed in this CERFA report and the accompanying ENPA report, as appropriate.

Ms. Johnson indicated that there is no documentation of emergency response actions for TEAD-N. Ms. Johnson also provided a CERCLIS printout for the State of Utah. No off-post CERCLIS sites were noted within 1 mile of the BRAC parcel boundary.

In addition to these interviews, relevant State of Utah RCRA and CERCLA files were also reviewed to identify any violations or other concerns that had not been previously identified. The result of the State of Utah RCRA and CERCLA files search did not indicate additional areas of concern not already addressed by the IRP process.

Ms. Johnson also performed a search of Utah's LUST and UST databases to determine the status of tanks in the vicinity of TEAD-N. Several USTs are located within the Tooele city limits. Several USTs associated with the Tooele County Department of Transportation shop and the Tooele School District bus garage have been present throughout time approximately 1 mile north-northeast of the BRAC parcel. However, based on this cursory review of available information, none of the documented LUSTs in the greater Tooele area appear to be impacting the BRAC parcel.

2.4.3 Local Regulatory Review

Mr. Brian Slade and Mr. Jeff Coombs of the TCHD were interviewed during the CERFA investigation to verify that all TEAD-N incidents, violations, and other environmental concems that the health department is aware of, have been addressed by the IRP process. These TCHD personnel were also consulted to determine whether any of the local industries surrounding TEAD-N may be impacting the BRAC.

Mr. Slade, an environmental health scientist with the TCHD, was interviewed on October 26, 1993. He was not aware of any TEAD-N incidents, violations, or other concerns not already addressed by the IRP process. He was also unaware of any privately-owned industrial facilities along the perimeter of TEAD-N which were potentially impacting the BRAC parcel, as surrounding facilities at which contamination is suspected (such as the old Tooele County Landfill) are located downgradient of the BRAC parcel, and are therefore not expected to be impacting the subject property. Occasional elevated particulate matter-10 emissions from the cement plant operated by Glen's Excavating & Grading, Inc. located north of the BRAC parcel, have been documented by the TCHD. These emissions are typical of such an operation, and any potential impact to the BRAC parcel is not considered significant by the TCHD. According to Mr. Slade, the remaining industries which surround the BRAC, including those within the Tooele Industrial Park (which borders the Maintenance and Supply Area to the eastnortheast), either do not conduct operations which typically generate contamination, or are relatively new, modern facilities where releases of contaminants are not suspected. Mr. Slade was unaware of any public concerns, environmental investigations, potential hazardous releases, or other violations associated with the salvage yards adjacent to the BRAC parcel. Mr. Slade was also unaware of any contamination to the BRAC parcel produced by truck or rail spills documented by the TCHD. According to Mr. Slade, the USTs associated with the Tooele County Department of Transportation shop and the Tooele School District bus garage have been upgraded and are therefore presumed to be intact and free of leaks.

Mr. Coombs, a TCHD inspector, was interviewed during a brief phone conversation on November 10, 1993 to provide additional detail regarding the issues discussed during the previous interview with Mr. Slade. Mr. Coombs stated that confirmed petroleum releases have occurred at the Tooele County Department of Transportation shop and the Tooele School District bus garage; however, impact to the BRAC parcel is not suspected, as these tanks are located approximately 1 mile to the north-northeast, and adequate remediation and upgrades have since taken place. Mr. Coombs also stated that the most significant potential receptors of contamination in the vicinity of the BRAC parcel are residents and industries with water

wells downgradient of the plume beneath TEAD-N's Maintenance and Supply Area. The Glen's Excavating & Grading, Inc. cement plant reportedly owns the off-post well closest to the current boundaries of the plume. Three Grantsville municipal water wells are located further downgradient. However, the newly operational pump and treat system installed to stop migration of the plume should prevent contamination of downgradient water sources. According to Mr. Coombs, TCHD will monitor the effectiveness of the system to insure that the plume is not impacting downgradient receptors.

Mr. J. Raymond Johnson, Director of the Tooele County Department of Engineering, was interviewed briefly on October 26, 1993 to determine the status of the Tooele County Landfill. Mr. Johnson stated that closure of the old landfill (approximately 2 miles downgradient of the BRAC parcel) is scheduled to be completed in 1994. He is not aware of any environmental sampling that has been conducted in support of this closure. The new landfill for Tooele County will be constructed upgradient of the BRAC parcel; however, it is not in close proximity to the depot and is not expected to impact TEAD-N. In addition, the new facility will be primarily a transfer station, and will be constructed in accordance with all applicable Federal, State, and local regulations, essentially eliminating the potential for impact to the BRAC parcel in the future.

2.5 TITLE DOCUMENTS

AGEISS conducted a review of tract maps and transfer documents provided by the U.S. Army Corps of Engineers to identify the prior property owners of the BRAC portion of TEAD-N at the time of its transfer to the Army. The purpose of this review was to collect additional information concerning the property's prior use and environmental condition at the time of its transfer to the Army. No information indicating that environmentally significant operations were associated with prior BRAC parcel land use was noted during this review. Previous ownership and the dates of transfer to the Army are indicated on Figure 5-1.

3.0 PROPERTY BACKGROUND INFORMATION

This section provides an historical overview of TEAD-N, detailed descriptions of the BRAC parcel, and a summary of the applicable environmental investigations.

3.1 HISTORICAL BACKGROUND

TEAD was established in 1942 as the Tooele Ordnance Depot by the Army Ordnance Department. TEAD-N was redesignated as such in 1962. Both the North and South Areas of TEAD are major ammunition storage and equipment maintenance installations that support other installations throughout the western U.S. The first mission for Tooele Ordnance Depot was to store vehicles, small arms, and fire control equipment for export. Other mission functions included overhauling and modifying tanks and track vehicles and their armaments. In general, Tooele was designated as a backup depot for Stockton Ordnance Depot and Benicia Arsenal, both in California.

In 1970, TEAD-N assumed maintenance mission responsibilities for topographic equipment, troop support items, construction equipment, power generators, and serviceable assets from the Granite City Army Depot in Illinois which was subsequently closed. In the 1980s, the maintenance missions at TEAD included the repair of tactical wheeled vehicles and power generation equipment. Along with these missions, all the secondary items of the components were rebuilt including engine and power trains. Approximately 4,500 engines and 12,000 power train components were overhauled each year.

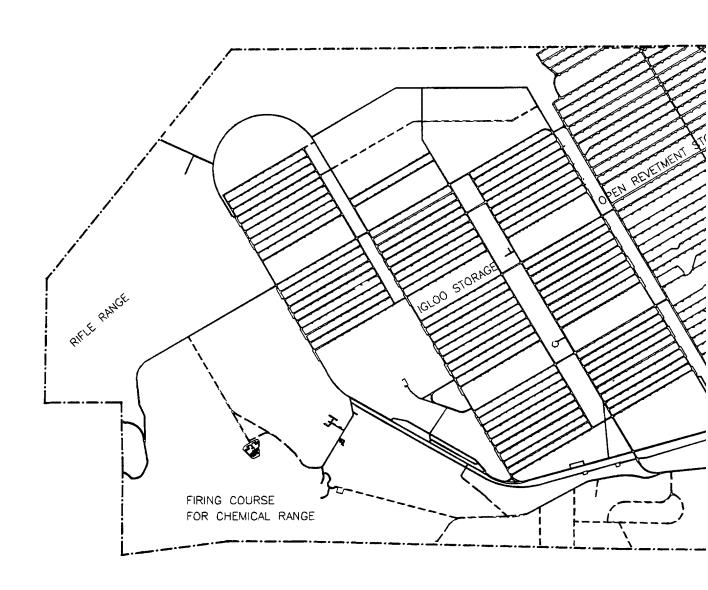
The current mission of TEAD-N is to receive, store, issue, maintain, and dispose of munitions; to provide equipment maintenance and repair; to provide installation support to attached organizations; and to operate other facilities as assigned. TEAD-N covers an area of about 24,732 acres, and developed features include igloos, magazines, administrative buildings, industrial-maintenance areas, military and civilian housing, roads, hardstands for vehicle storage, and other allied infrastructure.

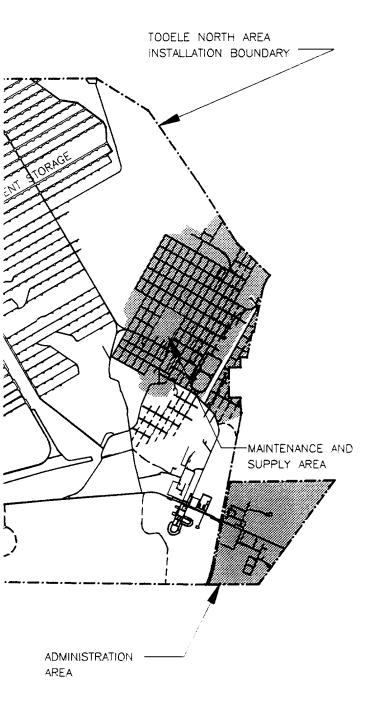
3.2 DESCRIPTION OF BRAC PARCEL

The BRAC parcel that is the subject of this investigation is actually two geographically discrete parcels located within the industrialized land in the northeastem portion of TEAD-N. The largest parcel (approximately 1,189 acres) covers most of the Maintenance and Supply Area, while the smaller parcel (approximately 495 acres) is located in the Administration Area (Figure 3-1). The BRAC parcel contains many buildings and storage facilities, as discussed below and listed in Table 3-1. The TEAD Maintenance Mission, the Defense Logistics Agency, and the DRMO operate within the BRAC parcel.

3.2.1 Maintenance and Supply Area

The BRAC parcel that lies within the Maintenance and Supply Area contains the following facilities: OSLs, storage warehouses, CMF, various maintenance facilities, Solvent Recovery Facility, DRMO, IWTP, Combat Vehicle Test Facility, 90-Day Drum Storage Area, and other drum storage areas, including the Hazardous Materials Storage Area.

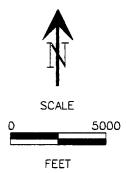




LEGEND



BRAC Parcel Area



SOURCE: Office of the Facilities Engineer, 1991 (modified) Tooele Army Depot Tooele, Utah

Prepared for:

U.S. Army Environmental Center

Date Revised: 09/28/94 I:\AEC_TEP\D01\FINAL.CER\CADGIS\CF3-1.DWG

Figure 3-1

BRAC Parcel

Prepared by: AGEISS Environmental, Inc.

FINAL

Table 3-1. Buildings and Facilities within the BRAC Parcel.

Page 1 of 8.

Bldg. No.	Use/Name	Year Built
100	Inspection Center	1992
S-101	Reserve Component	1945
S-103	Post Chapel	1943
S-104	Pub and MARTEC Cleaning Service Headquarters	1943
S-108	Dining Hall	1981
109	Administration and Support Building	1985
S-110	Administration Building	1943
S-111	Barracks	1943
112	Officer's Quarters	1985
S-113	Environmental Management Office	1943
114	Barracks	1985
S-115	Industrial Risk Management Directorate Office	1943
116	Barracks	1985
S-117	Administration Building: Safety Office	1943
S-118	Barracks	1943
S-119	Barracks	1943
S-120	Barracks	1943
S-121	Barracks	1943
S-122	Barracks	1943
S-123	Administration and Support Building	1943
S-124	Barracks	1943
S-125	Administration and Support Building	1943
S-126	Barracks	1943
S-139	Officer's Quarters	1985
S-141	Barracks	1943
S-143	Barracks	1943
S-145	Barracks	1943
S-147	Administration and Support Building	1943
S-149	Administration and Support Building	1943
S-150	Barracks	1943
S-151	Barracks	1943
S-152	Barracks	1943
S-153	Post Exchange	1945

NOTE: An acronym list is provided on the last page of this table.

Bldg. No.	Use/Name	Year Built
S-155	Bowling Center	1945
S-159	Trap and Skeet Range Shed	1957
160	Skeet Release Structure	1981
161	Trap and Skeet Range Shed	1981
162	Trap Release Structure	1981
163	Trap and Skeet Range Shed	1981
250	Water Tank	NA
253	Water Tank	NA
576	Hazardous Materials Storage Warehouse	1962
581	Water Tank	NA
582	Fuel Oil Tank	NA
586	Topographic Test Range Station	1970
587	Vehicle Remanufacturing Shop	1971
588	Office at 90-Day Yard	1987
T-589	Hazardous Materials Office	1968
S-590	Technical Procedures Development Shop	1943
S-592	NA	1943
S-593	Concrete arch over railroad tracks	NA
S-595	Administration	1944
596	Power Substation	NA
597	Compressor Room	1963
600	General Purpose Maintenance Shed	1943
600-A	Vacant/Parts Storage Facility	NA
600-B	Storage Warehouse	NA
600-C	Solvent Recovery Facility	1988
S-601	Restricted Access/Maintenance Facility	1943
602	Maintenance Facility/vehicle parts lubrication and preservation	1943
603	Tire Repair and Recapping Shop	1943
S-604	Power Train Rebuild Shop	1943
S-605	Silk Screen Shop; Dark Room; Print Shop	1943
S-606	Boiler Plant	1943
607	Maintenance and Repair Shop	1943
S-608	Machining and Welding Shop	1943

Table 3-1. Buildings and Facilities within the BRAC Parcel.

Page 3 of 8.

Bldg. No.	Use/Name	Year Built
S-609	Maintenance Facility: steam cleaning; metal stripping; radiator repair shop	1943
S-610	Boiler Plant	1943
S-610A	Wash Facility	1992
S-611	Vacant Maintenance Facility: vapor degreasing, cleaning, and lubricating parts; paint shop; small arms firing range	1943
S-611A	Pump Station	1977
612	Paint Shop	1943
613	Sheet Metal Shop	1943
613A	General Storage Shed	1942
S-614	Maintenance Facility: Etching and rinsing plates; Administration	1943
615	Maintenance Facility: Metal stripping, cleaning, anodizing and electroplating; vapor-degreasing; spray painting	1956
615C	Storage Shed	NA
615D	Paint Storage	NA
615-PI	NA	1943
S-616	Union Offices	1943
S-617	Electrical Shop; Millwrights Shop	1943
S-618	Lunch Room	1943
618-A	Concrete Slab	NA
619	Vehicle Manufacturing Facility	1943
S-620	Battery Repair and Charging Shop	1943
S-621	Carpentry Shop	1943
S-621R	Change House	NA
622	Credit Union	1977
623	Chromic Acid/Alodine Drying Beds	NA
624	Maintenance Shed	1966
626	Combat Vehicle Test Track	NA
626F	Boat Testing Pool	NA
627	Change House; Lunch Room	1973
628	Cable House	1943
S-629	Gas Station Complex	1943
S-630	Shipping & Receiving	1943
S-631	Shipping & Receiving	1943

Table 3-1. Buildings and Facilities within the BRAC Parcel.

Bldg. No.	Use/Name	Year Built
S-631R	Change House	NA
632	Structure Associated with Recycled Water Tank	1992
633	Concrete Vehicle Ramp	NA
637-A	NA	1943
637-B	NA .	NA
637-C	NA	NA
S-637	Engine Rebuild Facility	1943
S-638	Storage Shed	1962
S-639	Body Shop; Steam Cleaning	1943
S-640	General Purpose Warehouse	1943
S-641	General Purpose Warehouse	1943
S-641R	Change House	NA
S-647	Vehicle Storage; Vacant Paint Shop	1943
S-647R	Change House	NA
S-649	General Purpose Warehouse	1943
S-650	General Purpose Warehouse	1943
S-651	General Purpose Warehouse	1943
S-651R	Change House	NA
653	Concrete Vehicle Ramp	NA
655	Transportation Offices; Lunch Room	1968
656	Standby Generator	1976
S-657	General Purpose Warehouse; Vehicle Storage Facility	1943
S-657R	Change House	NA
S-659	General Purpose Warehouse	1943
S-660	General Purpose Warehouse	1943
S-661	General Purpose Warehouse	1943
S-661R	Change House	NA
S-667	General Purpose Warehouse; Vehicle Storage Facility	1943
S-667R	Change House	NA
S-669	General Purpose Warehouse; Vehicle Storage Facility	1943
S-670	General Purpose Warehouse	1943
S-671	Administration	1943
S-672	Administration; Lunch Room	1957

Table 3-1. Buildings and Facilities within the BRAC Parcel.

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Bldg. No.	Use/Name	Year Built
673	Concrete Vehicle Ramp	NA
S-674	NA	NA
S-675	General Storehouse	1948
S-676	Covered Walkway	NA
S-677	General Purpose Warehouse	1943
S-677R	Change House	NA
S-679	General Purpose Warehouse	1943
S-687	General Purpose Warehouse; Vehicle Storage Facility	1943
S-687R	Change House	NA
S-689	General Purpose Warehouse; Vehicle Storage Facility	1943
690	Storage Shed	NA
691	Vehicle Rebuild	1983
693	Concrete Vehicle Ramp	NA
S-694	Change House	1977
S-697	General Purpose Warehouse; Vehicle Storage Facility	1943
S-699	General Purpose Warehouse; Vehicle Storage Facility	1943
710	Wastewater Treatment Plant: Inflow Pumphouse	1987
711	Wastewater Treatment Plant: Emergency Power Generation Station	1987
712	Wastewater Treatment Plant: Treated Water Outflow Pumphouse	1987
713	Wastewater Treatment Plant: Contractor Structure Housing Air Strippers and Other Equipment (not owned by the government)	1987
714	Wastewater Treatment Plant: Hazardous Materials Storage (not owned by the government)	1987
715	Wastewater Treatment Plant: 90-Day Storage Yard	1987
716	Wastewater Treatment Plant: Process/Treatment Equipment	1993
S-735	Flammable Materials Storehouse	1944
S-752	Vacant/Instrument Building	1964
S-753	Vacant Office/Instrument Building	1944
804-928	125 Round Tanks - Vehicle Storage	1947
1000	Police Station; Aces Facility; Administration; Print Plant; Photo Lab	1943
1001	Administration	1943
1002	Gymnasium	1943
1004	Arts & Crafts Center	1943

Bldg. No.	Use/Name	Year Built
1005	Auditorium	1943
1006	Pump Station	1943
1008	Recreation Building	1978
1009	Oquirrh Travel Camp	NA NA
1010	Credit Union	1972
1011	Recreation Building	1981
1020	Swimming Pool	NA
1110	Recreation/Stables	1979
1111	Recreation/Stables	1968
1112	Recreation/Stables	NA
NA	Skeet and Trap Range	NA
NA	Concrete Slab	NA
NA	Tooele Valley High School	NA
NA	Utah National Guard	NA
2000	DRMO: Storage Shed	1976
2001	DRMO: Storage Shed	1976
2002	DRMO: Storage Shed	1976
2003	DRMO: Hazardous Materials Storage	1976
2004	DRMO: Saleable Items Warehouse	1976
2005	DRMO: Saleable Items Warehouse	1976
2006	DRMO: Salvage & Surplus Property	1976
2007	DRMO: Salvage & Surplus Property	1976
2008	DRMO: Saleable Items Warehouse	1958
S-2009	DRMO: Property Management Branch Office	1958
S-2010	Administration	1986
2011	DRMO: Paperwork Archiving	1946
2012	DRMO: Auction House	1943
2013	DRMO: Inert Ordnance Storage	1962
2014	Open Storage	NA
2015	Open Storage	NA
2016	Scale House	1981
2020	Reutilization Office	1989
S-2025	90-Day Hazardous Waste Storage Building	1943

Table 3-1. Buildings and Facilities within the BRAC Parcel.

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Bldg. No.	Use/Name	Year Built
NA	Consolidated Maintenance Facility	1992
NA	25 Ton Bridge Crane	NA
OSL 509 (1-6)	Open Storage	NA
OSL 605 (1-6)	Open Storage	NA
OSL 615 (1-3, 5, 6)	Open Storage	NA
OSL 623	Open Storage	NA
OSL 625 (1-6)	Open Storage	NA
OSL 633	Open Storage	NA
OSL 635 (4-6)	Open Storage	NA
OSL 643	Open Storage	NA
OSL 645 (4-6)	Open Storage	NA
OSL 653	Open Storage	NA
OSL 655 (1-8)	Open Storage/Recycling Operations	NA
OSL 663	Open Storage	NA
OSL 665 (1-8)	Open Storage	NA
OSL 670 (4-7)	Open Storage	NA
OSL 673	Open Storage	NA
OSL 675 (1-8)	Open Storage	NA
OSL 680	Open Storage	NA
OSL 681	Open Storage	NA
OSL 683	Open Storage	NA
OSL 685 (1-8)	Open Storage	NA
OSL 690	Open Storage	NA
OSL 693	Open Storage	NA
OSL 695 (1-8)	Open Storage	NA
OSL 703	Open Storage	NA
OSL 704	Open Storage	NA
OSL 705	Open Storage	NA
OSL 713	Open Storage	NA
OSL 714	Open Storage	NA
OSL 715	Open Storage	NA
OSL 801	Open Storage	NA
OSL 802	Open Storage	NA

Table 3-1. Buildings and Facilities within the BRAC Parcel.

Bldg. No.	Use/Name	Year Built
OSL 803	Open Storage	NA
OSL 804	Open Storage	NA
OSL 805	Open Storage	NA
OSL 806	Open Storage	NA
OSL 807	Open Storage	NA
OSL 813	Open Storage	NA
OSL 814	Open Storage	NA
OSL 815	Open Storage	NA
OSL 816	Open Storage	NA I
OSL 817	Open Storage	NA
OSL 823	Open Storage	NA
OSL 824	Open Storage	NA
OSL 830	Open Storage	NA
OSL 831	Open Storage	NA NA
OSL 833	Open Storage	NA
OSL 834	Open Storage	NA
OSL 840	Open Storage	NA
OSL 841	Open Storage	NA
OSL 843	Open Storage	NA
OSL 850	Open Storage	NA NA
OSL 851	Open Storage	NA NA
OSL 853	Open Storage	NA
OSL 854	Open Storage	NA NA
OSL 860	Open Storage	NA
OSL 861	Open Storage	NA
OSL 862	Open Storage	NA NA
OSL 863	Open Storage	NA NA
OSL 870	Open Storage	NA
OSL 871	Open Storage	NA
OSL 872	Open Storage	NA
OSL 873	Open Storage	NA NA

Bldg. BRAC

Building
Base Realignment and Closure

DRMO Defense Reutilization and Marketing Office Not Available NA

Number No.

OSL Open Storage Lot

AEC_TEP\DO1\FINAL.CER\TAB31.CER

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3.2.1.1 Open Storage Lots

The OSLs in the BRAC parcel are generally located to the west of the supply warehouses, with some located in the center of the warehouses and others located along the eastern boundary of the Maintenance and Supply Area, between the DRMO and Combat Vehicle Test Facility and the installation's boundary. The majority of the OSLs, excluding those along the eastern boundary of the facility, are used for storing various types of material and military equipment. Material and equipment are stored, generally on a temporary basis, for rehabilitation or future permanent storage. A grid road network serves these areas, which are predominantly gravel-covered earth surfaces. During the site visits, these OSLs were inspected via a windshield survey. The lots appeared clean and well-maintained.

Two exceptions exist to the scenario presented above. The first exception was observed at OSL 655-5, located north of the CMF, which is currently the site of the TEAD-N recycling operations. The majority of the activities performed in the recycling area occur in an unnumbered large metal quonset hut in which scrap metal is prepared to be salvaged. A smaller metal structure and a wooden office structure, both also unnumbered and apparently vacant, were also present at the recycling area. Some examples of poor housekeeping, resulting in potential environmental releases related to recycling operations, were observed during the site inspection. Specifically, waste oil drums, lead acid batteries, vehicle parts, antifreeze, and scrap metal were stored outside the building in an uncontrolled manner. Ground staining associated with waste oil collection was observed during the site inspection at the recycling area. The second exception is the fuel oil storage tank (Tank 582) located in the southern portion of OSL 854. Minor overfills have been reported in the past associated with Tank 582; however, no evidence of such releases was observed during any site visits.

The OSLs to the east, between the DRMO and the Combat Vehicle Test Facility and the installation's boundary were also inspected during the site visits via a windshield survey. These OSLs did not contain vehicles or equipment of any kind, nor was there a well-defined grid road network. Rather, these areas consisted of open fields with no indications of vegetation stress or other such indicators of disturbance. These areas do not appear to have been used for open storage recently, if at all, based on conditions observed during the windshield survey. Similar open fields are present along the central western border of the BRAC parcel in the Maintenance and Supply Area.

A former trench was identified adjacent to the southeast end of OSL 655-2 in the Aerial Photographic Site Analysis of the BRAC parcel (ERI, 1993). In addition, an area of former disturbed ground was identified just north of the easternmost BRAC parcel OSLs in these aerial photographs (ERI, 1993). No evidence of environmental impact associated with either area was identified during the CERFA investigation, however.

3.2.1.2 Storage Warehouses

The warehouses, which were mostly constructed in the 1940s, are used for long-term storage of specialized vehicles and other military equipment. There are 125 round "tank" warehouses at the north end of the area used for long-term storage of specialized vehicles. They have controlled humidity and a series of metal tanks with sealed doors which allow a controlled atmosphere for long-term storage. The Maintenance and Supply Area contains 26 large general-purposes warehouses for additional storage of equipment and supplies of TEAD-N. The area is served by both truck and rail.

During the site visit, all 26 warehouses and two of the round "tank" warehouses were inspected. With the exception of Buildings 659 and 691, all of the warehouses in the BRAC parcel appeared to be clean and well maintained, with no current or historical evidence of storage of hazardous substances, petroleum, or petroleum derivatives. Additionally, personnel interviewed and review of aerial photographs support this conclusion. Building 659, located within the general warehouse area, was and is currently used for storage of hazardous substances, petroleum, or petroleum derivatives, as discussed in Section 4.0 of this report. Building 691, which contains an oil water separator, is the site of steam cleaning, some vehicle maintenance, and other limited industrial activities. This structure is also discussed in Section 4.0.

3.2.1.3 Consolidated Maintenance Facility

The CMF is located adjacent to the western side of the warehouses. This facility was completed in 1992 to consolidate and upgrade vehicle remanufacturing operations. Activities performed on military vehicles at the CMF include: receiving; unpacking; pre-cleaning; disassembly; cleaning; sand blasting; testing; component and electrical rehabilitation; machining; power train, engine and power generation assembly; painting; preservation and packing; and shipping. The CMF was designed to update and streamline these processes; minimize the use of hazardous materials and the generation of hazardous wastes; and reduce the potential for a release of contamination. The CMF was designed to operate in accordance with all applicable Federal, State, and local environmental regulations. An on-site wastewater treatment plant is present at the CMF to treat effluent generated during vehicle remanufacturing and related operations. Conditions observed during the site visits indicate that the CMF is operating according to the design objectives. Extremely clean housekeeping practices were also observed throughout the CMF during the site visits. Based on these observations, combined with the environmental emphasis incorporated into the CMF design and operation, contamination from this facility is not suspected.

3.2.1.4 Maintenance Buildings

The maintenance buildings, mostly constructed in the 1940s, are located at the south end of the Maintenance and Supply Area. These facilities accommodate sand blast areas; paint; dunnage; and equipment maintenance, repair, handling, and inspection. Altogether, there are 877,776 square feet of building space within this area, which is served by both truck and rail (EA, 1988b).

The primary activities which occur in the maintenance buildings are related to major (military vehicles, etc.) and secondary (generators, compressors, etc.) item remanufacture. These activities include receiving, unpacking, disassembly, cleaning, sand blasting, painting, overhaul, repair, reassembly, packing, and shipping. Each of the activities currently performed in the CMF occurred in the maintenance buildings prior to 1992, when the consolidated new facility came online. Many of the maintenance buildings were observed to be vacant during the site visits, as operations previously conducted in these structures are now performed at the CMF. Most maintenance structures are currently limited to a single remanufacturing activity (such as the Building S-604 Power Train Rebuild Shop) or contain a specific type of manufacture-related equipment (such as the Building 613 Sheet Metal Shop).

Historical information, on-site inspections, and TEAD-N personnel interviews performed during the CERFA investigation indicated that many of the maintenance structures have housed a

variety of activities throughout their operating history. For example, Building S-618, presently the lunch room, was formerly a vehicle maintenance shop. Building S-616, which currently houses union offices, was at one time a fire station. Conditions as they were observed during the site visits are therefore considered to represent only a single point in time. Historical research and interviews with long-employed TEAD-N personnel were conducted during the CERFA investigation to provide information regarding past practices so that a more complete assessment of the varied history of the maintenance buildings could be evaluated with respect to CERFA criteria.

Most of the processes which have occurred and are presently being conducted in the maintenance buildings involve petroleum products and hazardous substances (such as diesel fuel and paint) and produce petroleum derivatives and hazardous wastes (such as waste oil and spent sand blast media). Housekeeping practices observed during the site visits were generally excellent, as were the majority of the petroleum/hazardous waste/hazardous substance usage, containment and storage practices. Some current deficiencies and many past practices in the maintenance structures have resulted in documented, suspected, or potential environmental contamination. Each of the potential environmental concerns identified during the CERFA investigation is addressed in Section 4.0 of this report.

A former dark-colored area of probable staining was identified between Buildings S-637 and S-647 in the Aerial Photographic Site Analysis of the BRAC parcel (ERI, 1993). A former trench located south of Building S-601 was also identified in these aerial photographs (ERI, 1993). No evidence of environmental impact associated with either area was identified determined during the CERFA investigation, however.

3.2.1.5 Solvent Recovery Facility

The Solvent Recovery Facility is located at the southwest comer of the Maintenance and Supply Area in Building 600C. This is a new facility constructed in 1988, and has been used to recycle Stoddard solvent, TCE, paint thinner, antifreeze, and used oil filters throughout its operating history. The Solvent Recovery Facility was observed to be in excellent condition during the site visits. Clean housekeeping practices were also observed at this facility during the site visits. Spill containment and recovery materials were readily available throughout the facility, as well. However, according to Mr. McFarland of the TEAD Environmental Office, at the time of the site visits no significant spills or other releases had been reported associated with solvent recovery facility operations. At the time of the site visits, recycling operations at the facility were minimal: paint thinner had not been recycled for over 3 years; Stoddard solvent recovery had not occurred for over 1 year; and TCE recycling was in the process of being phased out. The Solvent Recovery Facility has been designated as SWMU 39. Based on the results of the RCRA Facility Investigation (RFI), unless waste handling practices at the facility change, no further action is recommended for SWMU 39, since potential contamination from solvent recovery operations is not likely (MW, 1993).

3.2.1.6 Defense Reutilization and Marketing Office

The DRMO (SWMU 26), located adjacent to the eastern side of the warehouses, consists of an open storage yard and several steel buildings. This area is used for temporary storage of surplus material (no longer in use at the installation), prior to sale. The DRMO receives items from all of TEAD-N, including the Utah National Guard located in the Administration Area. According to Mr. Red Ridder, the DRMO escort during the site visits, the TEAD-N DRMO also

serves TEAD-S, the Eagle Test Range, and the Dugway Proving Ground. The DRMO area is provided with rail and truck access. Small areas of staining were identified at the DRMO during the site visits. A Phase II RFI is currently being conducted at the SWMU 26 DRMO area under the Army IRP.

A wide variety of items is present in large quantities at the DRMO. Abundant items observed at the DRMO during the site visits included: engines; generators; compressors; furniture; office machines; computer equipment; scientific instruments; inert ordnance; a variety of vehicles; vehicle and helicopter parts; miscellaneous dry goods and other similar saleable items; and steel and brass shell casings. According to Mr. Ridder, no UXO, including chemical munitions from TEAD-S operations are stored at the DRMO. Residual fluids in engines, generators, compressors, and similar items stored in large quantities at the DRMO, have the potential to contaminate the underlying ground surface; however, large-scale contamination of this nature was not observed on-site.

Large quantities of plastic and metal 55-gallon drums were observed at the DRMO; however, the vast majority of the drums were empty, and those which were full contained small pieces of scrap metals or similar nonliquid salvage materials. All drums reportedly arrive at the DRMO after they have been emptied and cleaned. Batteries are no longer stored at the DRMO, as these items are now recycled in the Maintenance and Supply Area on-post. One large transformer, reportedly free of PCBs, was observed at the DRMO during the site visits. According to Mr. Ridder, transformers are rarely sent through the DRMO. Mr. Ridder also stated that transformers which contain PCBs are not sent to the DRMO.

Unused hazardous chemicals (such as paints, gear oils, acids, etc.), which are no longer required or which were not used prior to their recommended shelf life, are also present at the DRMO. These hazardous materials which cannot be sold and therefore will never be used are stored in a 90-day hazardous waste storage area in Building S-2025. However, if these hazardous materials can be sold for use according to their intended purpose, they are not considered waste, and are stored as hazardous materials in Building 2003 at the DRMO. Building 2001 was also reportedly used for hazardous materials storage in the past; however, during the site visits only nonhazardous materials were observed in this structure. Hazardous chemical storage at these structures appeared to be conducted in accordance with the RCRA Subtitle C. Evidence of contamination from these hazardous chemicals was not observed during the site visits.

A former burn area, now used for open storage, was observed during the site visits north of the warehouses at the DRMO. According to Mr. Louis Brems, the chief of DRMO operations, this area was used in the past to burn rubber off of steel tank tracks to facilitate the sale of the scrap steel. Sampling has reportedly occurred in this vicinity; however, no analytical results were available.

Poor housekeeping resulting in localized contamination was observed in some areas of the DRMO during the site visits. For example, prevalent staining resulting from waste oil collection operations was noted on the ground surface at waste oil collection points outside of several DRMO saleable items warehouses. Oil stains were also observed on the concrete floors of these and other storage buildings, reportedly the result of leaks from improperly functioning forklifts. Additional staining was observed beneath many of the above ground fuel oil storage tanks associated with numerous DRMO structures. During the site visit, staining

was also observed along the railroad tracks in the northern portion of the DRMO. Mr. Brems stated that some small diesel and oil spills had been reported at the DRMO over time.

3.2.1.7 Industrial Wastewater Treatment Plant

The IWTP (SWMU 38) is located within the southwest corner of the BRAC parcel. According to Mr. Pat Sullivan, the chemical engineer in charge of the IWTP who was the Facilities Office escort during the on-site inspection, the design capacity of the treatment facility is 160,000 gallons per day. Several structures and holding tanks are present at the IWTP complex. The majority of this facility was built in 1987, and an additional structure, Building 716, is presently under construction. Structures at the IWTP are used for storage, housing for inflow and outflow pumps, and various process equipment. One small office structure was also noted at the IWTP during the site visits, as were four large-capacity bermed above ground storage tanks (ASTs) for storage of influent and effluent. Influent storage tanks are used to hold water flowing into the facility in the uncommon event that inflow exceeds the design capacity of the IWTP. Buildings 713 (process equipment) and 714 (materials storage) were constructed by contractors for their use. Process equipment to be operated by TEAD Office of the Facilities Engineer personnel is presently being installed in newly-constructed Building 716. Operations in Building 716 will replace all activities currently performed by contractors at the IWTP. Therefore, once all of the new process equipment is online, contractor operations at the IWTP will cease, and Buildings 713 and 714 will be removed from the area.

Water is treated at the IWTP by a variety of processes, including filtration, clarification, and reverse osmosis. If a spill or similar unintentional release to the wastewater collection system is reported to Mr. Sullivan, IWTP processes will be modified to the extent necessary to treat the influent to the required extent. Mr. Sullivan stated that such releases are less likely than in the past, as an effort has been made throughout the TEAD-N manufacturing area to replace industrial chemicals with less hazardous substitutes. Following treatment to the desired concentrations, water at the IWTP is either recycled back through the Maintenance and Supply Area or pumped to the Tooele public water treatment works.

Good housekeeping practices are presently in effect at the IWTP, which was observed to be a modern, clean facility during the site visits. However, during the first year of operation of the IWTP, used granulated activated carbon (GAC) was stored in uncovered containers. A portion of this material was blown onto the ground surface in the western portion of the facility. Used GAC is currently stored in closed containers in the covered 90-day storage yard at the IWTP, eliminating the risk of additional spent carbon windblown contamination. However, contamination associated with the previous release has been detected during surficial soil sampling, and the IWTP has been designated as SWMU 38 (MW, 1993). SWMU 38 is currently undergoing a Phase II RFI under the Army IRP.

3.2.1.8 Combat Vehicle Test Facility

The Combat Vehicle Test Facility is located east of the Maintenance and Supply Area and south of DRMO. This facility is used to determine specifics regarding the status of vehicles prior to repair, and to test the performance of vehicles following remanufacture. This facility includes an asphalt test track with obstacles, an inclined brake testing area, and a test pool for boats and amphibious vehicles. A maintenance shed, Building 624, is also present at the facility. Vehicles were observed in the shed during the site inspection of the vehicle test facility; however, only light maintenance activities appeared to be conducted in this structure.

Additionally, a recycled industrial water tank and an associated structure (Building 632) are also located near the center of the test track at the facility. Analytical results from sampling of the recycled industrial water in the tank reviewed during the CERFA investigation indicate that this water is not a RCRA hazardous substance or waste. Treated water from the IWTP is pumped uphill to the recycled water tank for storage prior to reuse in Maintenance and Supply Area. No evidence of leaks, overfills, or other releases of the recycled water were observed during the site inspection of the test facility.

Bulk storage of hazardous substances or wastes, including waste oil, were not observed during the site inspection at the Combat Vehicle Test Facility, nor were indications of poor housekeeping, spills, or any other evidence of a hazardous release.

3.2.1.9 90-Day Drum Storage Area

The 90-Day Drum Storage Area (SWMU 28) is a 3.4-acre fenced lot located near the southem end of the Maintenance and Supply Area. Buildings 588, 596, and 656 are located within the fenced area. Currently, this area serves as a RCRA 90-Day Container Storage Yard. Drummed wastes including gasoline, phosphonic acid, sodium hydroxide, paint wastes, thinners, solvents, paint filters, blast grit, used oil, and antifreeze, are stored above ground on pallets in this area. Visual inspection and review of historical aerial photographs have indicated that no ground staining or standing liquid is evident at this site (MW, 1993). However, Phase I RFI sampling indicates that activities at this SWMU have released contaminants to the environment.

3.2.1.10 Drum Storage Areas

The Drum Storage Areas (SWMU 29) consists of two areas located near the southern end of the Maintenance and Supply Area. The two areas are separated by the Maintenance and Supply Road. The southern area (also known as the old lumber yard) is a fenced, 25-acre expanse of gravel and broken asphalt surface with a single warehouse (Building 576) and one smaller associated office facility (Building T-589). Historical aerial photographs show that the southern part of SWMU 29 has been used for the storage of drums, as well as cylinders, tanker trucks, and lumber (EPA, 1982). Currently, the majority of the southern portion of SWMU 29 (including Buildings 576 and T-589) comprise the Hazardous Material Storage Area. The northern part of SWMU 29 is a triangular-shaped, sparsely-vegetated, open area of approximately 5 acres. A 1953 aerial photograph shows drums stored in this area, while aerial photographs taken in 1959 and 1966 indicate that the drums were removed and that the area was unoccupied. In 1981, an aerial photograph shows debilitated vehicles stored in the western part of the northern area (EPA, 1982). Phase I RFI sampling indicates that activities at this SWMU have released contaminants to the environment.

3.2.1.11 Adjacent Property

The BRAC property that lies within the Maintenance and Supply Area is surrounded on two sides by the installation itself. Immediately to the south lies the installation's Sanitary Landfill (SWMUs 12 and 15), battery disposal pit, and the pesticide handling and storage area. No pesticide or herbicide mixing or storage areas are located within the BRAC parcel. To the west lies the open revetment area and the abandoned IWL. To the north the BRAC parcel is bounded by Farm Road 112; north of the road is the Tooele County Landfill, Glen's Excavating & Grading, Inc. cement plant, open land used for agricultural purposes, and a

salvage company. A small mobile home park is located just north of this salvage yard. Aerial photographs (EPA, 1982) show a borrow pit located immediately adjacent to the northeast corner of the BRAC parcel since 1953. The southern half of the pit contained debris in 1981. The Union Pacific Railroad lies to the east of the BRAC parcel; in this area one company has operated a salvage yard for guite some time and aerial photographs (EPA, 1982) show an OSL located immediately east of the BRAC parcel between the eastern boundary of the installation and the Union Pacific Railroad. Army vehicles were observed here in 1959. Not until the 1981 photograph does the area become a storage lot for treated lumber, probable drums, debris, and discarded machine parts. East of this area dumping has been occurring near a railroad track, and a large debris pile can be seen there in 1959. In 1981 only a small amount of debris and some ground stains are visible. Additionally, the Tooele City Industrial Park lies east of the BRAC. The park contains Norwesco, which manufactures polyethylene tanks; Tooele Municipal Airport; and Christianson & Griffith Construction Company. A small business renting self storage units is located just north of the construction company. The southern portion of the Maintenance and Supply Area of the BRAC parcel is impacted by groundwater contamination from the Sanitary Landfill. No other on- or off-post adjacent properties were determined to be impacting the Maintenance and Supply Area of the BRAC parcel during the CERFA investigation.

3.2.2 Administration Area

The BRAC property that lies within the Administration Area currently contains a variety of facilities including: several administration buildings; police station; print plant; photographic laboratory; gymnasium; swimming pool; crafts building; several recreation buildings; the Utah Army National Guard maintenance/office building; the Army Travel Camp; horse stables; a trap and skeet range; an inspection center; verticle water tanks, and a demolished former base housing tract. During the site visits the facilities listed above were inspected. Visual inspection of the facilities and surrounding land indicated no current or historical evidence of known or suspected storage, release, or disposal of hazardous substances, petroleum, or petroleum derivatives, with the exception of the Utah National Guard Facility, Building 1011, and the photographic laboratory portion of Building 1000, as discussed in Section 4.0 of this report.

Aerial photographs taken in 1953 and 1966 indicate that the southern portion of the Administration Area was previously used for residential purposes (EPA, 1982). The residential area has since been dismantled (ERI, 1993). No evidence of the method by which the residences in the former base housing tract were heated was discovered during the CERFA investigation. The possibility exists that ASTs and/or USTs were potentially used to supply heating oil to these structures.

Review of 1939, 1952, 1953, 1959, 1974, 1977, and 1987 aerial photographs by ERI indicated that four areas of former ground disturbances were present at the Administration Area of the BRAC parcel (ERI, 1993). No evidence of specific environmental impact associated with these features was determined during the CERFA investigation, however. The four areas are an area of former trenches identified in the southwest comer of the Administration Area; a former drainfield identified in the northwest comer of the Administration Area; a former excavation in the eastern portion of the Administration Area; and a former bermed area probably used for storage of flammable or explosive materials, located in the central portion of the Administration Area (ERI, 1993).

The BRAC property that lies within the Administration Area is surrounded on the west by the main part of the TEAD-N installation and on the north by open land. The SWMU 35 Wastewater Spreading Area is located adjacent to the southern portion of the western boundary of the Administration Area of the BRAC parcel. Some residential property is present along the easternmost edge of the northern boundary of the Administration Area. Immediately to the east of the Administration Area of the BRAC parcel is State Highway 36. Further east of the area, across the highway, is open, undeveloped land, currently used for grazing cattle. Undeveloped land is also present to the south of the Administration Area of the BRAC parcel. According to the Tooele County Recorder's Office, the majority of this property is owned by various private persons or parties. The England Construction Company also owns a portion of the land to the east and the south of the administration portion of the BRAC parcel. The clerk at the recorder's office speculated that the construction company uses this land for a source of gravel. The Tom Nix Livestock Company also owns a portion of the land to the east. No impacts to the Administration Area of the BRAC parcel from on- or off-post adjacent properties were identified during the CERFA investigation.

3.3 REGULATORY HISTORY

A variety of environmental investigations have been conducted at TEAD-N from 1979 to the present. In 1987, a Draft Interim RCRA Facility Assessment for TEAD-N (NUS, 1987) identified 28 SWMUs. These SWMUs were suspected or known to have released contaminants into the environment. Subsequent investigations resulted in the identification of an additional 18 SWMUs, which resulted in a total of 46 SWMUs at TEAD-N.

On October 2, 1984, EPA proposed TEAD-N for inclusion on the NPL. The facility was listed on the NPL on October 1, 1990. As a result, the EPA, State of Utah, and TEAD entered into a Federal Facility Agreement on September 16, 1991. In this agreement, 17 of the 46 SWMUs were redesignated as CERCLA sites contained within seven operable units. The remaining 29 SWMUs are covered under a RCRA Post-Closure Permit (PCP), which was issued to TEAD by the State of Utah on January 7, 1991. Under the PCP, the SWMUs were divided into nine known-release SWMUs and 20 suspected-release SWMUs.

3.3.1 CERCLA Status

In 1991, work plans for a Remedial Investigation (RI)/Feasibility Study (FS) for the 17 CERCLA sites were prepared, and field investigation activities were completed in the summer of 1992 on the basis of these plans. The Final RI Report documenting this work was completed in February 1994. To complete the investigation, another round of field activities is scheduled for the spring and summer of 1994 at some of the sites. An RI report addendum will be produced at the end of the study. Six of the 17 TEAD-N CERCLA sites are located within the subject BRAC parcel. As per recent conversations with USAEC, and USAEC's comments on the Draft ENPA report for TEAD-N, the CERCLA sites are now being referred to as SWMUs, numbered identically to the former CERCLA site designations. This new nomenclature has been incorporated throughout this document.

3.3.2 RCRA Status

In 1991, TEAD received a Utah Hazardous Waste PCP for the IWL (SWMU 2 located at TEAD-N). As part of this post-closure permit, a RCRA RFI Phase I Summary Report was required which identified all SWMUs where known releases of hazardous wastes have

occurred at TEAD-N. Known releases have occurred at nine TEAD-N SWMUs. A RCRA Phase I Summary Report for Known-Release Units was submitted to the State of Utah in November 1991 and approved in March 1992. A Draft Final RFI Report for Known-Release SWMUs was completed in August 1994. In accordance with the permit, work plans for a Phase II RFI were submitted to the State in June 1992 and approved on April 1993. A Corrective Measures Study (CMS) work plan is due 90 calendar days after approval of the RFI report.

A Final Phase I RFI was completed in August 1993 for the 20 remaining SWMUs designated as suspected-release SWMUs. The objective of the Phase I RFI was to determine the presence or absence of environmental contamination at each of the suspected-release SWMUs, and to recommend either additional investigations or no further action. The Final Phase I RFI for the suspected-release SWMUs resulted in a no further action determination for four of the SWMUs, and recommendations for further investigations (Phase II investigations) for 16 of the SWMUs.

This RCRA process will result in a CMS Report and a Statement of Basis document, which will summarize the information from the RFI and CMS reports to facilitate public participation in the remedy-selection process. Two known-release SWMUs and seven suspected-release SWMUs are located partially or completely within the subject BRAC parcel.

Six additional SWMUs (SWMUs 50 - 55) have been identified based on the ENPA and CERFA investigations performed at the TEAD-N BRAC parcel. These SWMUs are scheduled for investigation under the ongoing RFI.

4.0 INVESTIGATION RESULTS AND ASSUMPTIONS

The TEAD-N BRAC parcel was divided into four categories of CERFA parcels, 1 acre in size or greater, based on the results of the CERFA investigation. CERFA parcels were delineated based on evaluation of historical information; existing records and documentation; visual inspections and on-site observations; and employee and regulator interviews conducted during the CERFA investigation. The majority of the data collection for the CERFA effort occurred during three site visits: October 12 through 15, 1993; October 25 through 28, 1993; and August 23, 1994. Parcels were delineated according to the CERFA categorization system outlined in Section 1.2 of this report. Any parcels less than one total acre in area were absorbed into the nearest adjacent parcel, as per CERFA guidance.

4.1 AREAS REQUIRING ENVIRONMENTAL EVALUATION IDENTIFIED BY THE ENPA AND PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Nineteen areas requiring environmental evaluation (AREEs) were identified during the ENPA investigation performed concurrently with the CERFA investigation for the TEAD-N BRAC parcel. Many of the AREEs in the TEAD-N BRAC parcel were identified in documents from previous investigations conducted in support of the ongoing IRP at TEAD, most importantly the Final Phase I RCRA Facility Investigation Report (MW, 1993) and the Final Remedial Investigation Report for Operable Units 4-10 (REI, 1994a). Only selected SWMUs or CERCLA sites identified during past investigations were designated as AREEs, since some of these previously identified sites have been remediated, and others have not been considered for further action. Additional AREEs were identified based on evaluation of historical information; existing records and documentation; visual inspections and on-site observations; and employee and regulator interviews conducted during the ENPA investigation. A complete listing of AREEs is provided in Table 4-1. Descriptions, locations, summaries of findings, contaminants of concern, recommendations, and analyses for each AREE are also included in Table 4-1. AREE locations are presented in Figures 4-1 and 4-2, with the exception of AREEs that are scattered throughout the BRAC parcel or present over a large areal extent, precluding their representation on the map.

4.2 CERFA DISQUALIFIED PARCELS

A parcel is designated CERFA disqualified if it demonstrates any of the following criteria:

- ♦ Investigation indicates the parcel was the site of disposal or release of hazardous material, petroleum, or petroleum derivatives.
- ♦ The parcel was used to store hazardous materials as listed under 40 CFR 302.4 or petroleum or petroleum derivatives for longer than 1 year.
- ♦ Investigation reveals no evidence exists of contamination and no history of storage, disposal or release of hazardous substances, petroleum or petroleum derivatives; however, the parcel is threatened by the spread of hazardous substances or petroleum-related contamination from other parcels.
- ♦ The parcel was the site of environmental contamination, but has been cleared for unrestricted use because remedial efforts or natural processes (such as natural, in-situ bioremediation) have eliminated or reduced contamination below the State and Federal requirements (CERCLA).

INS.		Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analyses
Wa: Sys	SWMU 49: Old Industrial Wastewater Distribution System	1a) The system is located above and below ground throughout the	1a) Historically, the current stormwater sewer system was used to deliver effluent from the Maintagan and Starting	Acids; caustics; solvents; paints; metals; ether; photographic chemicals;	A Site Investigation under the ongoing RFI is recommended to determine the environmental	VOCs; SVOCs; and metals
	This AREE consists of three parts:	Maintenance and Supply Area.	Area buildings to the IWL via four open disches along B, C,	oi, percoleum hydrocarbons	AREE. These areas have recently been incorporated into	
18)	1a) Current Stormwater	1b) Buildings 600,	1965 and 1988. Further north		me Kri program.	
98 <u>-</u>	Sewer System (Former Industrial Wastewater	601, 602, 606, 609, 610, 611, 612, 615,	in the Maintenance and Supply Area, this system		ta) Sample surface and subsurface soil at the outfalls to	
— Pip₄	Pipelines)	620, and 637.	delivered effluent which		assess the impact of current and	
	1b) Old Connections to the	1c) Building 609	reportedly discharged along the eastern side of the OSLs,		historical discharges. Sample discharge water to determine the	
New Year	New Wastewater System		along F, G, H, J, K, and L.		nature of potential residual	
10)	1c) Radiator Repair Facility		1965.		the integrity of the piping and	
			1b) Old pipe connections		conduct subsurface soil sampling if damage is noted.	
, s,			buildings in the Maintenance		tb) The old connections should be viersely increased to	
· · · · · · · · · · · · · · · · · · ·			wastewater system. Some of the old pine connections have		determine the integrity of the	
			visible signs of corrosion and deterioration.		should be conducted, as necessary.	
,			1c) The Radiator Repair		1c) Conduct a limited site	
			Facility is a potential source		investigation of the Radiator	
			steam cleaning, caustic dip		operations within the structure	
			tanks, and general radiator		have released contamination to	
			within. All of these operations		subsurface soils. Also, since the	
			are somewhat contained		structure is scheduled for	
			the use of pollution controls;		the structural debris may need to	
			however, visual observations		be sampled for TCLP to	
			and the nature of operations		determine the disposal method	
			that the potential for		unates in compilance with HCHA land disposal regulations.	
			contaminant releases exist.			

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Table 4-1. Areas Requiring Environmental Evaluation and Recommendations for Further Action.

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AREE Number	Description	Building Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analyses
N	SWMU 47: Boiler Plant Blowdown Water	SWMU 47, including Buildings 606, 610, 637, and 691	Review of data collected during the Phase I RFI indicated metals and petroleum compounds have been released to the environment. Boilers at Buildings 606, 610, and 637 are connected to the IWTP system and no longer release contaminated boiler blowdown water to the environment. Building 691 still drains effluent to a nearby ditch.	Metals and petroleum compounds	Further study of SWMU 47 is recommended under the ongoing Phase II RFI. Soil sampling of the drainage ditch is recommended.	VOCs; SVOCs; and metals
m	SWMU 50: Compressor Condensate Drain	Building 619	Potential contamination of surface and subsurface soil may have occurred from effluent in a compressor condensate drain at Building 619. The drain is not connected to the IWTP and carries condensate that has been known to contain lubricating oil.	Petroleum hydrocarbons	A Site Investigation under the ongoing RFI is recommended. The compressor effluent and the surface and subsurface soil in the area sampled. The site has recently been incorporated into the RFI program.	VOCs and SVOCs
4	SWMU 51: Chromic Acid/Alodine Drying Beds	Concrete pads marked '623'	There are no documented releases associated with the concrete pads. Visual inspection indicated that they could have been used for liquid containment and drainage based on design. Interviews with on-post personnel indicated that engines may have been flushed at the site. Real property historical records review indicated that the pads were used for chromic acidalodine drying in the 1970s.	Petroleum hydrocarbons; antifraeze; chromic acid; alodine	A Site Investigation under the ongoing RFI is recommended, including collection of surface and subsurface soil samples between the pads to investigate potential contamination. The site has recently been incorporated into the RFI program.	VOCs; SVOCs; and metals

NOTE: An acronym list is provided on the last page of this table.

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Description		Building Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analyses
SWMU 31, 32, and 53: PCB-Related Areas Transformer Boxing Site (OSL 680) SWMU 32 - PCB Spill Site (OSL 65D) SWMU 53 - Soils at Buildings 659 and 679	SWMU 31 - Forme Transformer Boxin, Site (OSL 680) SWMU 32 - PCB S Site (OSL 665D) SWMU 53 - Soils & Buildings 659 and	g spill st 679	Existing analytical results from surface soil composite samples indicate that PCBs are present at the PCB Spill Site (SWMU 32). The Former Transformer Boxing Site (SWMU 31) has no indications of spillage. No documented information was available concerning the soils outside Buildings 659 and 679 (SWMU 53).	PCBs	Further sampling at all three of the SWMUs is recommended as per requirements of the CERCLA and RCRA programs only.	V
SWMUs 4 and 54: Sand Blast Areas Goo, 615, and 617 SWMU 4 - Current Operations: Buildings 600, 615, and 617 SWMU 54 - Past Operations: Buildings 603, 604, 612, 613, 637, and 647	SWMU 4 - Current Operations: Buildin 600, 615, and 617 SWMU 54 - Past Operations: Buildin 603, 604, 612, 613 637, and 647	sp. sp.	Based on Phase I RFI sampling results, contamination of the environment has occurred from the sand blasting operations at Buildrings 600, 615, and 617. During the ENPA site visits, other areas were identified where sand blast operations occurred in the past. These included Buildrings 603, 604, 612, 613, 637, and 647.	Metals and paint compounds	It is recommended that Buildings 600, 615, and 617 be investigated further as is currently being done under the Phase II RFI. Areas used for sand blasting in the past should also be investigated under a Phase I RFI for releases to the environment. These areas have recently been incorporated into the RFI program.	Metals
SWMU 46: Waste Oil Buildings 600, 602, Dumpsters/Storage Tanks 607, 611, 619, 620, 637, and 691	Buildings 600, 602, 607, 611, 619, 620, 637, and 691		Based on Phase I RFI sampling results and visual inspection during the ENPA site visits, it is apparent that waste oil handling practices at the used oil dumpsters have released petroleum hydrocarbons to surface and shallow subsurface soils.	Petroleum hydrocarbons	It is recommended that SWMU 46 be investigated further as is currently being done under the Phase II RFI. Also, improved waste oil handling techniques should be implemented to prevent further contamination.	ТВРН

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NOTE: An acrorrym list is provided on the last page of this table.

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Table 4-1. Areas Requiring Environmental Evaluation and Recommendations for Further Action.

AREE Number	Description	Building Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analyses
ω	SWMU 26: DRMO Area	Includes various structures and OSLs within the DRMO	Releases of contaminants to the surface and shallow subsurface soils at the DRMO have been documented. There is noticeable ground staining at some locations.	VOCs; polynuclear aromatic hydrocarbons; petroleum hydrocarbons; metals; and cyanide	Prior to excessing, all equipment and debris should be removed. The structures should be cleaned and decontaminated according to the installation's procedures for dosing heavy industrial areas. It is recommended that SWMU 26 be investigated further as is currently being done under the Phase II RFI.	VOCs; SVOCs; and metals
o	SWMU 38: IWTP	Includes the area west of Building 713	There has been a known release of contamination to the environment from open GAC containers that were left open. The contents were blown over the ground on the west side of the IWTP facility.	VOCs; SVOCs; and metals	Based on the results of the Phase I RFI sampling, several contaminants appear to have been released to the soils in the vicinity of the spent GAC containers. It is recommended that SWMU 38 be investigated further under a Phase II RFI.	VOCs; SVOCs; and metals
0	Asbestos	Facility-wide	Numerous asbestos building surveys were completed during 1991 through 1992, and the installation's asbestos management plan was implemented in July 1992.	Asbestos	It is recommended that the installation continue to implement the asbestos management plan and document the changing status/condition of asbestos at the TEAD. Asbestos surveys are required for all structures within the BRAC parcel.	A
=	PCB-Containing Transformers	Facility-wide	PCB-containing transformers are in use within the BRAC parcel.	PCBs	The installation has a PCB management plan and conducts annual inspection and maintenance. It is recommended that these practices be continued.	A Z

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AREE Number	Description	Building Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analyses
ট	USTs	Facility-wide	There are 13 regulated USTs within the BRAC parcel. There are over 100 USTs in the BRAC parcel, however, a leak detection program was implemented in 1989. In 1992, all emergency generator tanks were tightness tested. There are also numerous unregulated underground heating oil tanks located within the BRAC parcel.	Petroleum products	Continued implementation of the installation's UST management plan is recommended to maintain compliance with the State of Utah's UST regulations. Closure of all USTs no longer in use is also recommended. Additionally, a geophysical survey is recommended for the Administration Area south of the Administration Area south of the Main Entrance Road to ensure all heating oil tanks were removed when the residential area was demolished.	₹.
£1	ASTs	Facility-wide	Numerous ASTs exist throughout the BRAC parcel in both the Administrative and Maintenance and Supply Areas. Most are used to store heating oil. The condition of many of these is questionable, and most do not have containment systems. There is a potential for leakage. No facility-wide management plan is in place.	Petroleum products	It is recommended that the installation develop a facility-wide management plan that addresses AST compliance with the State of Utah's RCRA AST program.	₹
4-	SWMU 52: Drain Field and Disposal Trenches	The drain field and disposal trenches are located at the northwest and southwest comers of the administration area, respectively	There are no indications of contamination at this site based on available information. However, based on the serial photographic site analysis, it appears that disposal activities have occurred at these locations.	Construction debris, general refuse, sewage	A Site Investigation of the drain field and disposal tranches under the ongoing RFI is recommended, including soil sampling at both areas and a geophysical survey at the disposal tranches. These areas have recently been incorporated into the RFI program.	VOCs, SVOCs, Metals

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NOTE: An acrorym fist is provided on the last page of this table.

Table 4-1. Areas Requiring Environmental Evaluation and Recommendations for Further Action.

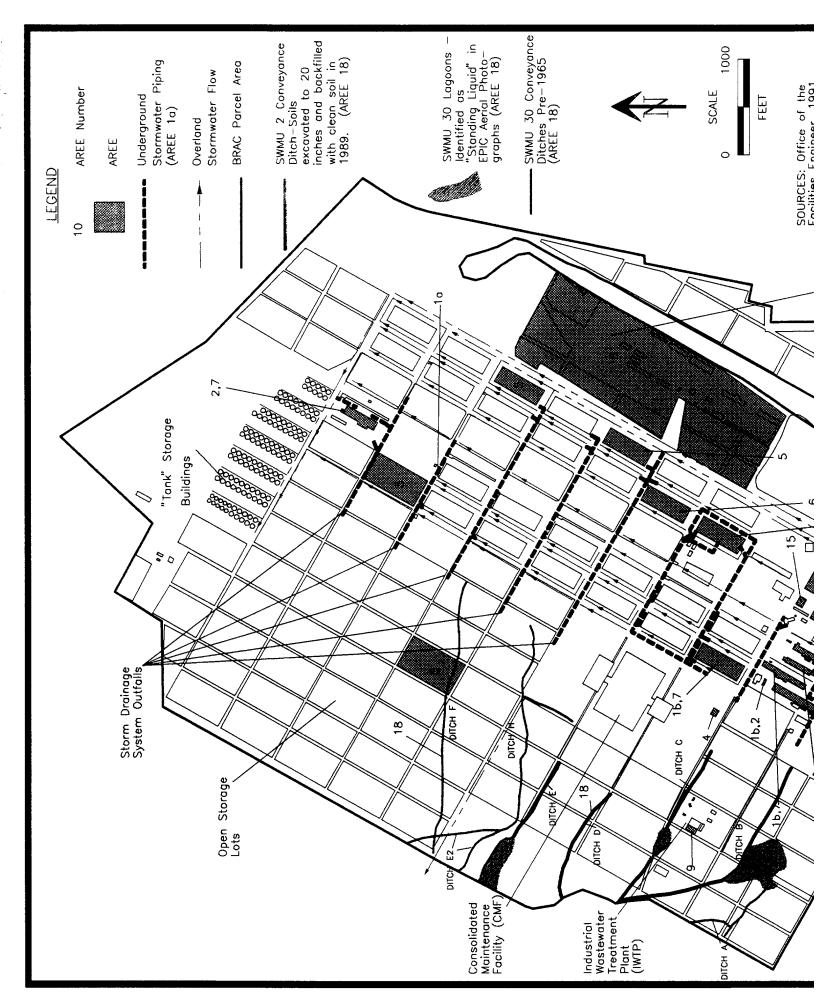
Description	Building Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analyses
SWMU 55: Battery Shop	Building 618	There are no indications of contamination at this site based on available information. However, based on the historical records search, it appears that battery shop and plating operations have occurred at Building 618. The nature of these industrial operations render this facility worthy of investigation.	Metals	A Site Investigation of Building 618 under the ongoing RFI is recommended. It is recommended that soil samples be collected from the area surrounding the building and that a detailed historical background search be completed. This area has recently been incorporated into the RFI program.	Metals
Storage Area	Buildings 588, 596, and 656	Drummed wastes are stored above ground on pallets. Drums remain sealed and are stored up to 90 days before transport to a permanent storage facility or a hazardous waste management facility. Contaminants have been released to the surface soils but widespread contamination is not likely.	Metals, organic compounds, petroleum hydrocarbons, and a variety of waste constituents stored on-site.	It is recommended that SWMU 28 be included in RFI Phase II activities. Soil borings are recommended to further characterize the vertical and horizontal extent of contamination.	VOCs; SVOCs; metals
SWMU 29: Drum Storage Areas	Buildings 576 and 589	The Drum Storage Areas were used to store empty drums before they were returned to the originating contractor. Empty drums were reportedly stored upside down to allow residual contents to drain and to keep precipitation out. Chemicals have been potentially released to the environment due to this practice. The facility has undergone both RI and RFI investigations. The results of these investigations indicate that various types of contaminants have been released to surface and subsurface and subsurface soils.	Metals; phthalates; VOCs; SVOCs	It is recommended that RFI Phase I data be evaluated in the Phase II investigation to quantify health risks in a baseline risk assessment. Because present sample data provide analytical information for virtually the entire AREE, no additional sample collection is recommended.	¥

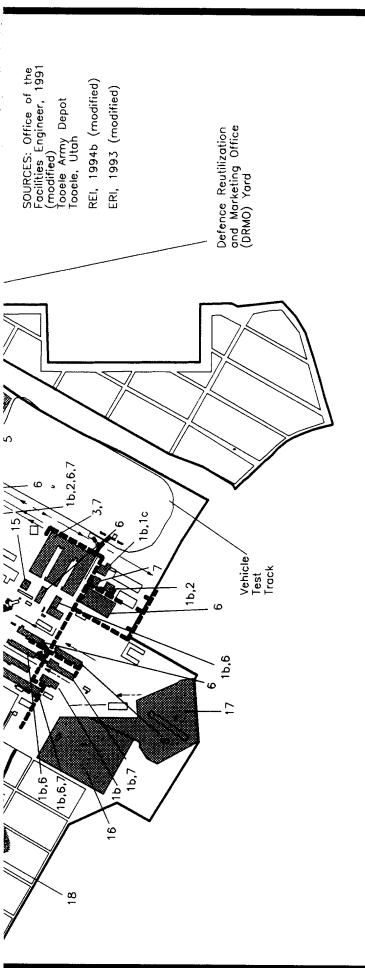
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lyses	,	
Proposed Analyses	V	₹ Z
Recommended Activity	No further RFI investigations are recommended for the OIWL (SWMU 30). It is recommended that this SWMU be included in the Corrective Measures Study. No further RFI investigations are recommended for the IWL (SWMU 2) conveyance ditches. The contaminated soil removal and replacement of the conveyance ditches within this BRAC parcel is a remediation method that is in accordance with RCRA guidelines. As such, they are no longer considered a threat to the quality of the surrounding soils on the groundwater.	If the Administration Area buildings are used for target housing (residential use for children less than 6 years of age), Title X requirements of inspection and abatement are applicable.
Potential Contamination	Metals; TCE; phenols; explosives	Peed.
Summary of Findings	The OIWL (SWMU 30) conveyance ditches and lagoons area was found to be widely contaminated with metals. A TCE plume from the transport of maintenance area wastewater is probably present. The IWL (SWMU 2) conveyance ditches that are within the BRAC parcel are documented known sources of groundwater contamination. Subsurface soils, sludge, and groundwater within the Maintenance and Supply Area have been contaminated with waste stream constituents. The IWL conveyance ditches that are within the BRAC parcel have been remediated with that are within the BRAC parcel have been remediated through contaminated soils excavation and replacement.	Depending on the selected re-use of the Administration Area buildings, target housing for lead-based paint may exist.
Building Numbers/Locations	This AREE consists of various conveyance ditches and lagoons that have been identified through historical aerial photograph review or past investigations.	Administration Area buildings, specifically Buildings S-101; S-103; S-104; S-111; S-113; S-116; S-117; S-118; S-119; S-120; S-121; S-121; S-121; S-121; S-121; S-121; S-121; S-121; S-121; S-122; S-121; S-122; S-125; S-147; S-149; S-150; S-151; S-152; S-153; S-155; 1000; 1001; 1002; 1004; 1005; 1010; and Tooele Valley High School
Description	SWMUs 2 and 30: Conveyance Ditches and Lagoons	Lead-Based Paint
AREE Number	∞	9

		Semivolatile Organic Compound Solid Waste Management Unit	SWMU	Granutar Activated Carbon Industrial Waste Lagoon	GAC IM
Votatile Organic Compound	NOC	Resource Conservation and Recovery Act RCRA Facility Investigation	RCRA RFI	Defense Reutilization and Marketing Office Enhanced Preliminary Assessment	DRMO
Underground Storage Tank	UST	Polychlorinated biphenyl	B C	Compensation, and Liability Act	
Total Residual Petroleum Hydrocarbons	TRPH	Open Storage Lot	ଞ୍ଚ	 Comprehensive Environmental Response, 	CERCL
Tooele Army Depot	TEAD	Old Industrial Waste Lagoon	OWL	Base Realignment and Closure	BRAC
Toxicity Characteristic Leaching Procedure	1 57	Not Applicable	ş	Above Ground Storage Tank	AST
Trichloroethylene	T CE	Industrial Wastewater Treatment Plant	PT.		AREE

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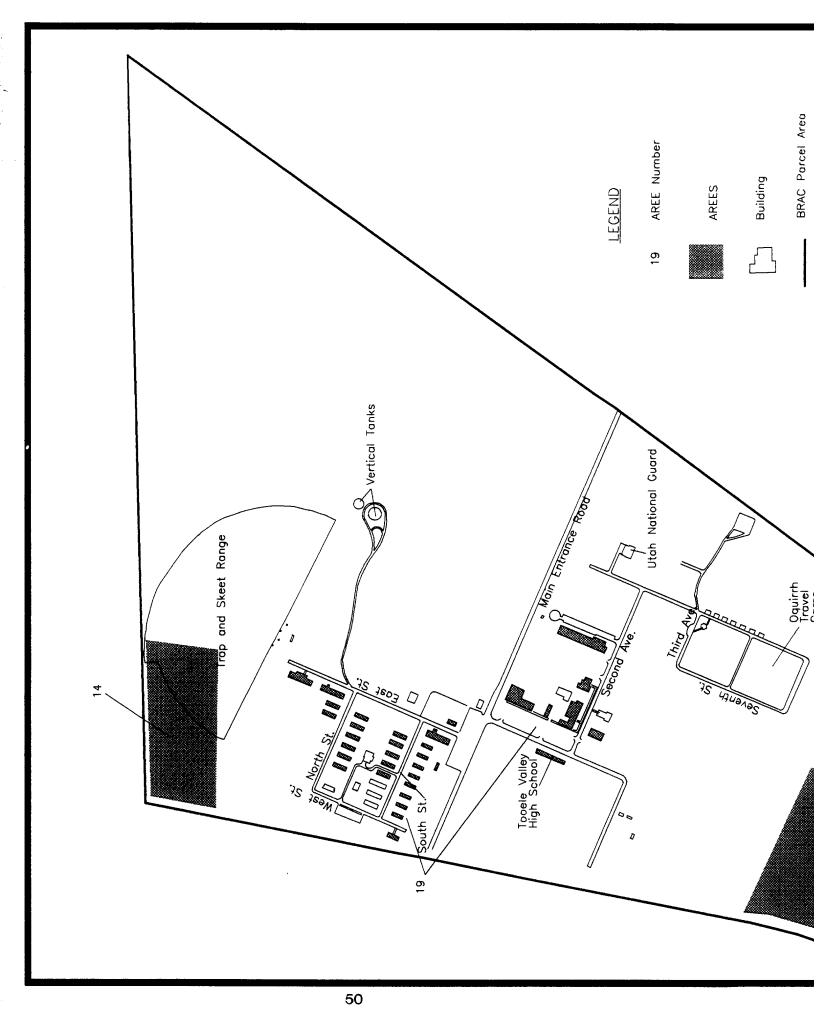


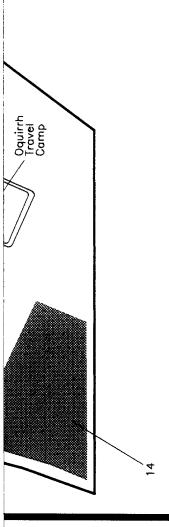


AREE		AREE	
iagilina.	Description	Number	Description
10.	SWMU 49: Old Wastewater Distribution System – Current Stormwater Sewer System	·6	SWMU 38: Industrial Wastewater Treatment Plant (IWTP)
4	SWMI 49: Old Wastawater Distribution System	10.	Asbestos *
<u> </u>	Old Connections to the New Wastewater System	11.	PCB-Containing Transformers*
اد.	SWMU 49: Radiator Repair Facility	12.	Underground Storage Tanks"
5.	SWMU 47: Boiler Plant Blowdown Water	13.	Above Ground Storage Tanks
ъ;	SWMU 50: Compressor Condensate Drain	14.	SWMU 52: Drain Field and Disposal Trenches
4.	SWMU 51: Chromic Acid/Alodine Drying Beds	15.	SWMU 55: Battery Shop
'n.	SWMUs 31, 32, and 53: PCB-Related Areas	16.	SWMU 28: 90-Day Drum Storage Area
	SWMUs 4 and 54: Sand Blast Areas	17,	SWMU 29: Drum Storage Areas
7.	SWMU 46: Waste Oil Dumpsters/Storage Tanks	18.	SWMUs 2 and 30: Conveyance Ditches and Lagoons
ĸċ	SWMU 26: Defense Reutilization and Marketing	19.	Lead-Based Paint *
	DITER (DAMO) TOTAL		*Not shown on figure.

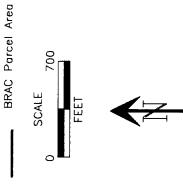
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Prepared for:	Figure 4-1
U.S. Army Environmental Center	Areas Requiring Environmental Evaluation — Maintenance and Supply Area
Date Revised: 09/27/94 !:\AEC_TEP\D01\FINAL.CER\CADGIS\CF4-1.DWG	Prepared by: AGEISS Environmental, Inc.

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This figure includes AREE 12 underground storage tanks and AREE 13 above ground storage tonks. The installation inventory of tanks is organized by building number. As such, shading of the buildings associated with the tanks was avoided to eliminate confusion concerning the extent of the AREE. NOTE:



SOURCE: Office of the Facilities Engineer, 1991 (modified) Tooele Army Depot Tooele, Utah

AREE		AREE	:
Number	Description	Number	Description
	SWMU 49: Old Wastewater Distribution System – Current Stormwater Sewer System	ó	SWMU 38: Industrial Wastewater Treatment Plant (IWTP) *
	SWMU 49: Old Wastewater Distribution System -	10.	Asbestos *
	Old Connections to the New Wastewater System *	<u>.</u>	PCB-Containing Transformers*
	SWMU 49: Radiator Repair Facility *	12.	Underground Storage Tanks*
	SWMU 47: Boiler Plant Blowdown Water*	13.	Above Ground Storage Tanks
	SWMU 50: Compressor Condensate Drain *	4-	SWMU 52: Drain Field and Disposal Trenches
	SWMU 51: Chromic Acid/Alodine Drying Beds*	15.	SWMU 55: Bottery Shop*
	SWMUs 31, 32, and 53: PCB-Related Areas *	16.	SWMU 28: 90-Day Drum Storage Area *
	SWMUs 4 and 54: Sand Blast Areas *	17.	SWMU 29: Drum Storage Areas *
	SWMU 46: Waste Oil Dumpsters/Storage Tanks*	18	SWMUs 2 and 30: Conveyance Ditches and Lagoons*
	SWMU 26: Defense Reutilization and Marketing Office (DRMO) Yord	19.	Lead-Based Paint * Not shown on figure.

Prepared for:

U.S. Army Environmental Center

Date Revised: 09/26/94
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Prepared by: AGEISS Environmental, Inc.

Areas Requiring Environmental Evaluation - Administration Area

Figure 4-2

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The categorization of the TEAD-N BRAC parcel according to the criteria for parcel identification under CERFA is presented on Map 5-1. One relatively large and two smaller CERFA disqualified parcels were delineated in the Maintenance and Supply Area of the BRAC parcel. One moderate-sized and three smaller CERFA disqualified parcels were identified in the Administration Area of the BRAC parcel. One acre grid cells within the BRAC parcel were designated as CERFA disqualified if any portion of the structures, OSLs, etc. which contained the known and/or suspected disqualifiers (presented above) was present. One acre grid cells within the BRAC parcel were also designated as CERFA disqualified if they were threatened by the spread of hazardous substances or petroleum-related contamination from other parcels. Structures, OSLs, and other areas where both qualifiers and disqualifiers were present were designated as CERFA disqualified; however, associated qualifiers are listed and/or explained each time such a location is noted in the text or in accompanying maps and tables.

Most of the CERFA disqualified structures and OSLs in the Maintenance and Supply Area of the TEAD-N BRAC parcel were designated disqualified due to storage of hazardous substances used in daily operations, or the presence of hazardous waste collection points. Above ground and underground tanks storing fuel and hazardous substances also disqualified numerous locations within the BRAC parcel. Areas identified as RCRA SWMUs, such as SWMU 26, the DRMO, were assumed to have documented or possible petroleum and/or hazardous substance releases (based on specific contaminants detected at each location) and therefore are also classified as CERFA disqualified. Suspected-release SWMUs at which no releases were documented to have occurred and are therefore classified as no further action SWMUs are the obvious exception, and were not classified as disqualified.

Based on the status and limitations of available information, and the nonintrusive nature of the site investigations conducted during the CERFA investigation, several assumptions were incorporated into the CERFA designation process, which are listed and summarized below:

- ◆ Locations at which waste collection points are present or for which hazardous waste manifest information indicates that wastes are generated were assumed to have such waste present for longer than 1 year and therefore are disqualified. Although storage is only permitted for up to 90 days, waste generation continues, and therefore storage of this "waste type" occurs for a period of time greater than 1 year.
- ◆ Bulk storage of hazardous materials listed on the hazardous materials inventory and usage report (Appendix A) was assumed at be greater than 1 year in duration.
- ♦ OSL locations listed as numbers and letters in various IRP documents were assumed to correlate to the numbered locations as they appear on the Basic Information Maps by changing letters to numbers based on the order in which they appear in the alphabet. For example, OSL 665-D was assumed to be equivalent to OSL 665-4.
- ◆ Individual spill report forms were studied to determine if a spill resulted in an actual release of hazardous substances or petroleum. Only spills from which recovery of spill material was reported to be less than 100 percent were considered releases and therefore disqualifiers. Spills for which the percent

recovery could not be determined were designated as possible spill sites. Spill recovery was classified as 100 percent if 100 percent was indicated as the amount of spill material recovered on the spill report form (as was the case with the majority of the spills documented in TEAD-N BRAC parcel); the spill material was listed as retained on the spill report form; the amount of material recovered (spilled substance plus the absorbent material used to clean it up) far exceeded the volume of material spilled; or the spill occurred at a location connected to the wastewater distribution system and was routed to the IWTP for treatment.

◆ AREEs (identified during the concurrent ENPA investigation) at which releases of hazardous substances and/or petroleum are suspected to occur and previous investigations have not been conducted were designated possible release sites, and therefore considered disqualified.

4.2.1 CERFA Designation of Sites with Historical and Ongoing Remediation Efforts

Based on the criteria presented above, sites with completed historical or ongoing remediation efforts, discussed below, are also classified as CERFA disqualified parcels. The IRP at TEAD-N is currently in the RI/FS or RFI stage. Most of the recommendations from these investigations involve additional sampling efforts in support of a FS and a Risk Assessment scheduled to be completed in the future. The majority of the remediation efforts at TEAD will occur at a later date, following the completion of these additional studies. At the time of the CERFA investigation, the PCB Spill Site, the Industrial Wastewater System, and the Groundwater TCE Plume were the only areas where historical or ongoing remediation efforts potentially impacting the BRAC parcel have been reported, excluding small scale UST remediations which have occurred in selected locations where the risk of potential exposure was relatively high. A Phase II RFI currently underway at suspected-release SWMUs 4, 26, 38, 46, and 47 located within the Maintenance and Supply Area of the BRAC parcel.

4.2.1.1 PCB Spill Site

The SWMU 32 PCB Spill Site is located in the southern comer of OSL 665-4, in the middle of the maintenance portion of the BRAC parcel. In October 1980, a transformer oil spill occurred at the southwestern comer of the lot. Two transformers, reportedly containing a total of 1,000 gallons of PCB-contaminated oil, were punctured with a fork-lift blade during transformer removal operations. The spill occurred on the unpaved ground surface, and the spill area was reportedly less than one-half acre. Cleanup involved excavating oil-saturated soils, containerizing the soils in 55-gallon drums, and properly disposing these drums. Some of the oil leaking from the transformers was collected and was also placed in 55-gallon drums for disposal. Approximately 440 55-gallon drums of contaminated soil and 18 drums of contaminated oil were removed (EA, 1988a). The excavation area was backfilled with imported fill material. Lot 665-4 is currently used for vehicle-related equipment storage (REI, 1994a). During spring/summer of 1994, additional investigation and sampling required by the EPA and the State of Utah will be conducted to verify that PCB contamination has not occurred at SWMU 32. This area is designated CERFA disqualified due to the documented release of PCBs.

4.2.1.2 Industrial Wastewater System

Portions of unlined ditches, which are located within the BRAC parcel and which transported wastewater to the Old Industrial Waste Lagoon (OIWL) (SWMU 30) and the IWL (SWMU 2) located outside the BRAC parcel, were classified as CERFA disqualified. Former areas of standing liquid identified on aerial photographs associated with SWMU 30 ditches were also classified as CERFA disqualified. From the 1940s until 1965, wastewater generated by the boiler plant, metal parts cleaning, degreasing, steam cleaning operations, and dynamometer test cells flowed into the SWMU 30 OIWL through unlined ditches from Outfalls F, G, H, J, K, and L in the BRAC parcel. Industrial operations which generated wastewater made use of a number of organic solvents. In 1965, discharges through these outfalls to the OIWL were eliminated. From 1965 until November 1988, wastewater flowed into the SWMU 2 IWL through four unlined ditches from Outfalls B, C, D, and E in the BRAC parcel. In November 1988, discharges to the IWL were eliminated. Closure of the IWL and the associated wastewater ditches was completed by November 1, 1989 (JMM, 1989). Remediation and/or capping of ditches from former Outfalls B, C, D, and E has occurred associated with closure of the IWL. Similar remedial activities have not occurred for ditches from former Outfalls F, G, H, J, K, and L to the OIWL. Wastewater now flows to the IWTP for treatment via the current wastewater distribution system.

4.2.1.3 TCE Groundwater Plumes

The distribution of TCE contamination from previous industrial wastewater disposal practices, particularly operation of the IWL (SWMU 2), has resulted in a groundwater plume centered beneath the wastewater ditches. The plume extends radially in all directions, but principally towards the northwest, which is the general direction of groundwater flow in the vicinity (JMM, 1989). The plume, as defined by the 5 micrograms per liter (μ g/L) isoconcentration contour, is estimated to be a maximum of 400 feet thick near the center and contains an estimated 36 billion gallons of groundwater (JMM, 1988). The 5 μ g/L TCE isoconcentration line extends slightly past the northern installation boundary (ACE, 1993).

The remediation strategy for the TEAD-N plume incorporates extraction wells, injection wells, and air stripping. Extraction treatment and injection of groundwater are common remedial techniques, especially for VOC contaminants of concern. The selected remediation technology should be effective, as the aquifers beneath the installation readily yield water to wells, and all of the VOCs detected at TEAD-N are efficiently removed from water by air stripping (JMM, 1989).

Mr. Walt Levi, the design engineer with the TEAD Environmental Office in charge of the pump and treat remediation program for the TCE plume, states that the system possesses an 8,000 gallons per minute design capacity, with an estimated 30 year operating life. Using 13 extraction wells and 13 injection wells, the facility is treating appoximately 5,000 gallons of groundwater per minute (REI, 1994b). Groundwater plume treatment operations are being monitored closely by various regulators, as well as the on-post Environmental Office.

As per CERFA guidance, the groundwater plume constitutes a petroleum and hazardous substance release; therefore, the BRAC parcel is disqualified throughout the area encompassed by the groundwater plume (Map 5-1). The existence of remediation efforts such as the pump and treat system described above do not change the status of a CERFA disqualified parcel. As a result, the boundaries of the plume at its maximum extent define the associated disqualified area. The plume's 0.1 µg/L isoconcentration line was used to identify

the extent of the groundwater plume during the CERFA investigation, as this represented the maximum plume extent displayed in available documents from previous TEAD investigations (Advanced Sciences, Inc., 1991).

The Sanitary Landfill, SWMUs 12 and 15, is a secondary source of groundwater contamination in the BRAC parcel. The Sanitary Landfill is located in an arroyo just outside of the southern boundary of the Maintenance and Supply Area portion of the BRAC parcel. The Sanitary Landfill is approximately 100 acres in size, has been in operation since 1942, and will continue to be used for disposal of large bulky items such as construction debris until November 1995. Previously, the landfill received both hazardous and nonhazardous wastes during its operation. Past waste management practices consisted of burying the wastes in trenches. Numerous contaminants including TCE, 1,2-dichloroethylene, benzene, cyclonite, silver, and hydrocarbons have been detected in downgradient groundwater wells. The resulting plume associated with the Sanitary Landfill has been identified at the southern end of the Maintenance and Supply Area, and appears to be migrating in a northwesterly direction intersecting the southernmost extent of the TCE plume associated with the IWL. High concentrations of TCE have been detected in monitoring wells within the southermost part of the BRAC parcel at the northernmost extent of the plume originating from the Sanitary Landfill (REI, 1994b). The plume originating in the Sanitary Landfill is smaller in aerial extent and less well defined than the plume associated with the IWL. The groundwater flow direction in the vicinity of the Sanitary Landfill plume indicates that contaminated groundwater from this source will also be intercepted and remediated by the pump and treat system currently in operation at TEAD-N.

Due to the large portion of the TEAD BRAC parcel underlain by these coalescing plumes, the disqualified parcel associated with them (1D) is the largest parcel identified during the CERFA investigation. Many of the BRAC parcel structures, OSLs, and other features included in the plume area are also disqualified and/or qualified based on characteristics associated with each of these individual locations. Details regarding disqualifiers and qualifiers associated with these locations encompassed by the groundwater plumes are presented in Section 5.0 and Appendix C.

4.2.1.4 Limited Underground Storage Tank Remediation

Contamination from some USTs from which releases have occurred have been remediated via removal actions. Primary remediation efforts have involved sites with the greatest potential threat to human health and the environment. Presently a management plan is in effect for USTs which still exist. Additional UST release remediation is scheduled to occur; however, a comprehensive itinerary or schedule for these actions is not available. Areas at which releases from USTs are presently suspected, and areas of remediated contamination associated with former USTs are classified as CERFA disqualified.

4.2.2 CERFA Designation of Hazardous Material or Petroleum Release or Disposal Sites

Based on the criteria presented above, sites in the BRAC parcel where releases or disposal of hazardous substances, hazardous wastes, petroleum products or their derivatives have occurred are considered CERFA disqualified. Historical information; existing documentation from previous investigations (including the Environmental Compliance Assessment System (ECAS) Audit (DIRM, 1993), the Final RI Investigation Report (REI,1994a), the Phase I RFI Investigation Report (MW, 1993), and the Aerial Photographic Site Analysis of the BRAC

Parcel (ERI, 1993); on-site inspections; employee and regulator interviews; and TEAD-N spill reports and inventory records provided by the Environmental Office were investigated to determine CERFA parcels disqualified based on this criterion.

4.2.3 <u>CERFA Designation of Hazardous Material or Petroleum Storage Sites</u>

Based on the criteria presented above, sites in the BRAC parcel where bulk storage of hazardous substances, hazardous wastes, petroleum products or their derivatives has occurred are considered CERFA disqualified, if the duration of storage is at least 1 year. Historical information; existing documentation from previous investigations (including the ECAS audit); on-site inspections; employee and regulator interviews; and the TEAD-N hazardous materials inventory and usage report, UST inventories, an AST inventory, hazardous waste manifest information, and lists of 90-day storage yards and satellite collection points provided by the Environmental Office were investigated to determine CERFA parcels disqualified based on this criterion. Propane ASTs were included in the BRAC parcel AST inventory; however, their existence alone does not constitute a disqualifier. The TEAD-N hazardous materials inventory and usage report is included in Appendix A.

For classification purposes, waste oil was considered a hazardous substance rather than a petroleum derivative, based on the fact that waste oil commonly contains contaminants such as metals, at high concentrations. Disqualifier designations resulting from the presence of USTs, ASTs, and waste collection areas (for example, 90-day storage yards) were assigned to the adjacent individual structure associated with each of these features, although the physical location of these features may not exactly correspond to that of the associated structure. This approach is valid based on the fact that the minimum area disqualified by any feature is 1 acre and the fact that these disqualifiers are in close proximity to the structures they are associated with.

4.2.4 CERFA Designation of Contamination from Off-Parcel Sources

The perimeter of the BRAC parcel was investigated during the CERFA investigation to determine whether any off-parcel locations were potentially impacting the BRAC parcel. Contamination from a groundwater TCE plume associated with the Sanitary Landfill (SWMUs 12 and 15), has impacted the southwestern edge of the BRAC parcel. The portion of the BRAC parcel impacted by contamination from SWMUs 12 and 15 has been classified as CERFA disqualified.

The potential for impact to the BRAC parcel associated with the SWMU 35 Wastewater Spreading Area along the western edge of the Administration Area was also investigated. No evidence of impact to the BRAC parcel from SWMU 35 operations was observed or obtained during the CERFA investigation.

Documented releases of contamination potentially impacting the BRAC parcel from off-post sources along the perimeter of the subject property were not observed or otherwise determined to be likely based on interviews, file searches, and a windshield survey of this portion of the BRAC boundary. Therefore, no parcels are disqualified based on this criterion presented above.

4.3 CERFA QUALIFIED PARCELS

Military installations frequently contain issues which the USAEC believes fall outside of the provisions of CERFA. For example, while a release of lead-based paint onto the ground may be a CERCLA concern, the application of lead-based paint to a building surface is generally not. However, lead-based paint applied to buildings may represent a safety hazard to young children. Similarly, other substances or materials commonly applied to or found in buildings (for example, radon and asbestos) may not be explicitly regulated under CERCLA, but may require a notice to potential transferees and lessees that they exist.

USAEC has sought to balance the statutory requirements of CERFA with the law's intent to identify uncontaminated property to the public which can be expeditiously reused. Notice has been provided for those parcels which appear to be uncontaminated under the definition provided in CERFA, but which may contain environmental, hazard, or safety issues. Buildings which contain ACM, lead-based paint, or naturally occurring radon fall into this category and are identified as "CERFA parcels with qualifiers" in this CERFA report. Parcels which contain stored (not in use) equipment which contain oils with PCBs at concentrations greater than 50 parts per million (ppm), stored low level radionuclide-containing equipment such as dials and weapon site posts, and UXO are also designated "CERFA parcels with qualifiers."

CERFA parcels with qualifiers are presented on Map 5-1. Several relatively small CERFA parcels with qualifiers were delineated in both the Maintenance and Supply Area and the Administration Area of the BRAC parcel. One acre grid cells within the BRAC parcel were designated as CERFA qualified only if known and suspected disqualifiers were completely absent throughout the entire 1 acre area of the grid cell, and activities occurring on adjacent properties either currently or in the past, have not threatened these areas where only known or suspected qualifiers are present. The vast majority of the CERFA parcels with qualifiers in the TEAD-N BRAC parcel were designated as qualified due to the existence of known or possible ACM and possible lead-based paint.

4.3.1 Asbestos

Asbestos information was obtained from a TEAD-N asbestos survey conducted in 1991 by Pickering Environmental Consultants, Inc. (Pickering, 1991). Any BRAC structure in which any asbestos was detected at any concentration (including results reported only as "assumed positive") was designated as qualified due to asbestos. The asbestos survey concentrated on structures occupied at the time of the survey, therefore many structures in the BRAC parcel were not included. The date of the building construction was used to determine the probability of the presence of ACM in structures for which no asbestos survey information was available. Any such structure constructed before 1985 was designated as possible ACM. Structures constructed in 1985 or after were assumed to be free of ACM.

4.3.2 Radon

A limited radon survey was conducted by the TEAD-N Safety Office. As was the case with asbestos, the radon survey emphasized structures which were occupied at the time it was conducted. Radon was not detected in any structures during the survey at concentrations in excess of the 4 picocuries per liter air action level established by the EPA. Based on the results of the limited radon survey and the absence of basements in all BRAC parcel

structures, radon was not used as a qualifier. The one exception was Building 611, which is the only structure within the BRAC parcel that has a basement; therefore Building 611 was designated as possibly containing radon in the absence of specific survey information.

4.3.3 Radionuclides

Buildings 117 and 659 are the only structures in the BRAC parcel where radionuclides were confirmed to be present during the CERFA investigation. Storage of small radioactive sources for use by the Safety Office occurs in Building 117. Licensed storage of radionuclides in SWMU 18, located in Building 659, occurs in approved containers in a secured room. Due to current radionuclide storage at both Buildings 117 and 659, these areas were designated as qualified.

Based on a review of radioactive material usage files for TEAD prepared by the Army Environmental Health Laboratory and the Army Environmental Hygiene Agency, and information presented in the TEAD Installation Assessment (USATHAMA, 1979), potential storage of low level radionuclide-containing equipment occurred in several structures throughout the Maintenance and Supply Area and the DRMO in the past. Despite the fact that none of these locations currently store radioactive materials, these Maintenance and Supply Area structures and the entire DRMO have been designated as qualified for possible radionuclides in the absence of a formal radiological survey (which is scheduled for the near future) at these locations.

No additional structures, storage lots, or other areas within the BRAC parcel were confirmed or suspected to contain radionuclides during the CERFA investigation. However, former drummed radioactive waste storage was documented to have occurred in drums in the vicinity of OSL 707, at SWMU 9, located in the northeastern portion of the Maintenance and Supply Area of the BRAC parcel (REI, 1994a). Radioactive waste storage no longer occurs at SWMU 9, and radiological surveys conducted after the waste was removed did not indicate the presence of radionuclides at concentrations in excess of background levels. However, in the absence of information regarding procedures implemented to conduct these radiological surveys, this SWMU has been designated as qualified for possible radionuclides.

4.3.4 Polychlorinated Biphenyls

As per CERFA guidance, a variety of factors must be considered to classify areas within the BRAC parcel which contain PCBs. PCBs in transformers which are in use and are not leaking do not prohibit an area from being designated as a CERFA parcel. PCBs are considered a qualifier where storage of PCB-contaminated and/or PCB transformers occurs, if PCB concentrations are in excess of the 50 ppm Federal and State regulatory threshold. PCBs are only considered a disqualifier if past or present releases of PCBs have occurred at any concentration. Once contamination from a disqualifier has occurred, removal and/or remediation of the hazard in a parcel does not permit the removal of the disqualified designation.

During the CERFA investigation, the 1993 Annual PCB/PCB-Contaminated Transformer Audit Inspection was used to determine the status of transformers within the BRAC parcel which contained PCBs. None of the transformers from which PCBs were released, as identified during the 1993 Audit Inspection, were located in the BRAC parcel. Individual spill reports

and Spill Incident Summary printouts also did not indicate that recent releases of PCBs not already addressed as SWMUs have occurred in the TEAD-N BRAC parcel.

SWMUs 17, 31, 32, 33, and 53 (soils outside of Buildings 659 and 679) were also evaluated during the CERFA investigation, as PCBs were reported present at each of these sites previously (REI, 1994a).

Transformers stored at SWMU 33, a Toxic Substances Control Act-permitted storage facility for transformers located in Building 659, contain PCBs in excess of 50 ppm; as such, this building was classified as CERFA qualified with respect to PCBs. No documented releases of PCBs have been reported associated with this storage facility.

SWMU 31, the Former Transformer Boxing Area located in OSL 680, is a former PCB storage site where storage of PCBs no longer occurs. No reported spills or visual evidence of PCB releases are associated with SWMU 31. However, in the absence of analytical data confirming that PCBs are not present in SWMU 31 soils, OSL 680 has been designated CERFA disgualified due to possible PCBs.

The remaining sites in BRAC at which PCBs were present in the past (SWMUs 17, 32, and 53) are classified as disqualified, as documented releases of PCBs have occurred at these locations.

4.3.5 Lead-Based Paint

In the absence of any lead-based paint survey data, construction date was the sole indicator of the probability of such material. Specifically, the presence of lead-based paint in any structure built before 1978 was noted as a possible qualifier; however, for any structure built in 1978 or later, lead-based paint was assumed not to be present.

4.3.6 Unexploded Ordnance

Based on the nature of the administrative and vehicle and equipment remanufacturing activities which are presently performed in the BRAC parcel, and limited information regarding past usage of this area, UXO are not expected to be present. No evidence of UXO was observed during the site visits. Scrap metal from disassembled ordnance is present at the DRMO; however, this material is not classified as UXO, since it is completely inert.

4.4 CERFA PARCELS

CERFA parcels are presented on Map 5-1. As anticipated, only a small section of the Maintenance and Supply Area portion of the BRAC parcel and a relatively larger portion of the Administration Area of the BRAC parcel were designated as CERFA parcels during the investigation. One acre grid cells within the BRAC parcel were designated as a CERFA parcel only if known and suspected disqualifiers and/or qualifiers were completely absent throughout the entire 1 acre area of the grid cell, and activities occurring on adjacent properties, either currently or in the past, have not threatened these areas with contamination.

4.5 CERFA EXCLUDED PARCELS

CERFA excluded parcels are presented on Map 5-1. No CERFA excluded parcels exist entirely within the TEAD-N BRAC parcel. A long linear strip of CERFA excluded property

partially bisects the eastern half of the portion of the BRAC parcel located in the Maintenance and Supply Area, however. This excluded area contains a railroad spur that will be necessary to conduct operations in retained portions of the TEAD-N installation. The remainder of the TEAD-N installation not encompassed by the 1,684 acre BRAC parcel is also considered CERFA excluded. The following areas are included in this residual enclave to be retained by the Army:

- ◆ TEAD-N Ammunition Storage Areas
- ◆ Building 1 TEAD Headquarters, including the Directorate of Engineering and Housing and the Directorate of Logistics support facilities

CERFA PARCELIZATION SUMMARY

5.0

After concluding the review of investigation documents, regulatory records, personnel interviews, and visual inspections, AGEISS identified parcels on the installation as CERFA parcels, CERFA parcels with qualifiers, CERFA disqualified parcels, or CERFA excluded parcels in accordance with the definitions in Section 1.2 of this report. The parcels are delineated on a map of the BRAC portion of the installation using a one acre square grid for boundary definition. The entire 1-acre grid square is colored or shaded to indicate the applicable parcel category based on the history of storage or release for any portion of that square. Parcels are labelled according to a system outlined in Section 1.2 of this report to indicate the applicable parcel category and the contaminating circumstances. Parcel labels are connected to the respective parcel boundaries by a line or are located within the parcel boundaries.

The Army chose a 1-acre grid system to aid in the presentation of data gathered during the CERFA report investigation, and to facilitate use of the document by reuse groups and others. The 1-acre grid provided a consistent method to report and locate environmental or other concerns. In the many cases where the concerns are much smaller than 1 acre, the grid system simplifies the depiction of the concern.

Additionally, the 1-acre grid size was chosen as a generally redevelopable parcel size for either industrial or residential uses. However, the grid does not drive reuse or restrict it. Reuse decisions should be made irrespective of the grid.

Where CERFA disqualified parcels and CERFA parcels with qualifiers have coincided, the overlapped area has been designated CERFA disqualified. Labels for any such overlapped parcels also indicate the presence of the qualifying hazards. CERFA excluded parcels have been excluded from this investigation of contaminant locations and therefore have no overlapping CERFA disqualified parcels or CERFA parcels with qualifiers. A complete list of structures within each CERFA parcel and the qualifiers and disqualifiers associated with each structure is included in Table 5-1, as the scale of Map 5-1 prohibits this level of detail.

AGEISS' investigation and subsequent parcelization of the TEAD-N BRAC parcel determined that approximately 577 acres of the facility fall within the CERFA parcel category. The CERFA parcels are located predominantly in the eastern portion of the Maintenance and Supply Area of the BRAC parcel and throughout much of the Administration Area of the BRAC parcel. Approximately 47 acres of the facility are categorized as CERFA parcels with qualifiers. Approximately 1,060 acres constitute the CERFA disqualified portion of the BRAC parcel. The remainder of the TEAD-N facility is designated CERFA excluded, as it will be retained by the Army.

In determining the applicable parcel categories for the installation property, AGEISS observed the following guidance provided by the USAEC for specific circumstances:

♦ In the absence of specific survey or sampling results, buildings constructed prior to 1978 are assumed to contain lead-based paint. A similar assumption is made for asbestos in buildings constructed prior to 1985, if additional data is unavailable.

- ♦ Storage of petroleum products, petroleum derivatives and CERCLA-regulated hazardous substances prevent an area from becoming a CERFA parcel as long as that storage is for 1 year or greater. The quantity of substances stored is not relevant to determining the applicable parcel category. However, if the operation requiring such substances is in the immediate area, and the storage is in limited quantities for immediate use, the area is not precluded from being a CERFA parcel.
- ♦ Non-leaking equipment containing less than 50 ppm PCBs does not preclude an area from becoming a CERFA parcel. Non-leaking, out-of-service equipment with greater than 50 ppm PCBs will place an area in the CERFA parcel with qualifier category. An area is designated CERFA disqualified if there is a known release containing PCBs at any concentration.
- ◆ Areas where there are transport systems or process equipment which handle hazardous material or petroleum products and upon which there have been no release, storage, or disposal are categorized as CERFA parcels.
- ◆ Ordnance disposal locations are designated CERFA disqualified. This does not include ordnance impact areas which are designated CERFA parcels with qualifier.
- ♦ Routine pesticide and herbicide application in accordance with manufacturer's directions or the presence of chlorofluorocarbons and halon in operational systems do not preclude an area from becoming a CERFA parcel.
- ◆ Coal storage piles and railroad tracks do not alone preclude an area from becoming a CERFA parcel.

5.1 CERFA PARCEL DESIGNATION MAP

Map 5-1 presents the categorization of the TEAD-N BRAC parcel according to the criteria for parcel identification under CERFA. Twenty-three parcels were delineated in the TEAD-N BRAC parcel during the CERFA investigation. A total of seven CERFA disqualified parcels were identified; three of which are located in the Maintenance and Supply Area (1D, 2D, and 3D), and four of which are in the Administration Area (4D through 7D). Ten CERFA qualified parcels were identified; six of which are located in the Maintenance and Supply Area (8Q through 13Q), and four of which are in the Administration Area (14Q through 17Q). The remaining six parcels were classified as CERFA parcels; two of which are located in the Maintenance and Supply Area (18Q and 19Q), and four of which are in the Administration Area (20P and 23P). Table 5-1 provides details regarding specific qualifiers and disqualifiers for each building, OSL, or other feature in the 23 designated parcels presented on Map 5-1. Appendix C contains a database printout, arranged by building and OSL number, of all disqualifiers and qualifiers used to generate Map 5-1.

5.2 TRACT MAP

The property boundaries and all property transfers including prior ownership information is shown in Figure 5-1.

5.3 SUMMARY CERFA MAP

Figure 5-2 summarizes the breakdown of the TEAD-N BRAC parcel according to the criteria for parcel identification under CERFA.

Table 5-1. Parcel Identification.

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Additional Studies/ Remediation Efforts	Recommendations for ENPA AREEs 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, and 18 (see Table 4-1).		
Source of Evidence	Historical information Existing records, documentation, and inventories Visual inspections and on-site observations	Employee and regulator interviews	Construction date for each structure TEAD-N Final Remedial Investigation Report for Operating Units 5 and 6 (REI, 1994a) Final Phase I RCRA Facility Investigation Report TEAD-N Suspected Releases SWMUs (MW, 1993) Aerial Photographic Site Analysis - BRAC Parcel (ERI, 1993) TEAD Installation Assessment (USATHAMA, 1979) Radioactive material usage files
Potential Disqualifier, Qualifier, or Exclusion	Building 576: Possible petroleum release; possible hazardous substance release, hazardous materials storage; possible asbestos; and possible lead-based paint (D-PR(P)/HR(P)/HS/A(P)/L(P)). Building 587: Hazardous substance storage and possible lead-based paint (D-HS/L(P)). Buildings T-589 and 597: Detected asbestos and possible lead-based paint (Q-A/L(P)).	Building S-590: Hazardous substance storage; detected asbestos; and possible lead-based paint (D-HS/A/L(P)).	Buildings S-592, S-593, 596, 600-A, 600-B, S-610A, S-611A, 613A, 615-C, 615-Pl, 618-A, 626F, 628, 637-A, 637-B, 637-C, S-641, S-650, S-651, 653, S-660, S-667, S-669, S-670, 673, S-675, S-676, S-687, S-689, 690, 693, S-690, S-657, S-669, S-670, 673, S-674, S-675, S-676, S-687, S-689, 690, 693, S-697, S-669, S-670, 673, S-674, S-675, S-676, S-687, S-689, 690, 693, S-697, S-669, S-670, 673, S-674, S-675, S-676, S-687, S-689, 690, 693, S-697, S-669, S-670, G-73, S-675, S-676, S-687, S-689, 690, 693, S-697, S-670, G-73, S-674, S-675, S-676, S-687, S-689, 690, 693, S-697, S-6
Category	Disqualified		
Location, Size, AREE No., and Map Coordinates	Maintenance and Supply Area 876 Acres AREEs 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, and 18	Column: 18 Row: 78	
Parcel No.	1D - PR/PS/HR/HS/ AR(P)/RD/P/L(P)		

NOTE: An acronym list is provided on the last page of this table.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/ A/R(P)/RD/P/L(P) (Continued)			Building 602: Petroleum AST; possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); located in SWMU 47 - possible hazardous substance release; possible hazardous material spill; hazardous waste collection; waste oil collection; detected asbestos; and possible lead-based paint (D-PR(P)/PS/HR(P)/HS/AI.(P)).		
			Buildings 603 and 613: Possible petroleum release from compressor condensate drain; possible sand blasting hazardous substance release (SWMU 54); hazardous substance storage; hazardous waste collection; detected asbestos; and possible lead-based paint (D-PR(P)/HR(P)/HS/A/L(P)).		
			Building S-604: Possible sand blasting hazardous substance release (SWMU 54); hazardous waste collection; detected asbestos; and possible lead-based paint (D-HR(P)/HS/A/L(P)).		
			Building S-605: Hazardous substance storage; hazardous waste collection; detected asbestos; possible radionudides from previous storage; and possible lead-based paint (D-HS/A/RD(P)/L(P)).		
			Building S-606: Heating oil UST; located in SWMU 47 - possible hazardous substance release, possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); hazardous waste collection; possible asbestos; and possible lead-based paint (D-PR(P)/HS/A(P)/L(P)).		
			Building 607: Possible hazardous material spill release; hazardous waste collection; waste oil collection; detected asbestos; and possible lead-based paint (D-HR(P)/HS/A/L(P)).		
			Building S-608: Storage of petroleum products and hazardous substances observed during site visits; possible hazardous substance spill release; hazardous waste collection; detected asbestos; and possible lead-based paint (D-PS/HR(P)/HS/AL(P)).		
			Building S-609: Possible petroleum and possible hazardous substance release associated with old wastewater distribution system and radiator repair facility (SWMU 49); hazardous substance spill release; hazardous substance storage; hazardous waste collection; detected asbestos; and possible lead-based paint (D-PR(P)/HB/HS/AL(P)).		
			Building S-610: Heating oil UST; located in SWMU 47 - possible hazardous substance release; possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); possible asbestos; and possible lead-based paint (D-PR(P)PA(P)/A(P)).		

NOTE: An acronym list is provided on the last page of this table.

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Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/ A/R(P)/RD/P/L(P) (Confinued)			Building S-611: Possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); regulated petroleum UST storage; hazardous materials storage; hazardous waste collection; waste oil collection; detected asbestos; possible radon due to existence of basement; and possible lead-based paint (D-PR(P)/PS/HR(P)/HS/A/R(P)/L(P)).		
			Building 612: Possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); possible sand blasting hazardous substance release (SWMU 54); hazardous substance storage; hazardous waste collection; detected asbestos; and possible lead-based paint (D-PR(P)/HR(P)/HS/AL(P)).		
			Buildings S-614 and S-616: Heating oil UST; detected asbestos; and possible lead-based paint (D-PS/A/L(P)).		
			Building 615: Possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); located in SWMU 4 - documented hazardous substance release; possible hazardous substance storage; hazardous waste collection; detected asbestos; and possible lead-based paint (D-PR(P)/HR/HS/AL(P)).		
			Building 615-D: Hazardous substance storage; possible asbestos; and possible lead-based paint (D-HS/A(P)/L(P)).		
			Building S-617: Located in SWMU 4 - documented hazardous substance release; hazardous waste collection; detected asbestos; and possible lead-based paint (D-HR/HS/A/L(P)).		
			Building S-618: Location of SWMU 55 - possible former petroleum release; possible former petroleum storage, possible previous hazardous substance spill release; hazardous substance storage during previous metal plating and battery shop operations (SWMU 55); detected asbestos; and possible lead-based paint (D-PR(P)/HR(P)/HS/AL(P)).		
			Building 619: Petroleum AST; possible petroleum release from compressor condensate drain (SWMU 50); possible hazardous substance spill release; hazardous substance storage; hazardous waste collection; possible radioucides from previous storage; and possible lead-based paint (D-PR(P)/HS/RD(P)/L(P)).		
			Building S-620: Possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); former hazardous substance release; hazardous substance storage; hazardous waste collection; waste oil collection; detected asbestos; possible radionucides from previous storage; and possible lead-based paint (D-PR(P)/HR/HS/A/RD(P)/L(P)).		

NOTE: An acronym list is provided on the last page of this table.

1D - PR/PS/HR/HS/ A/R(P)/RD/P/L(P) (Continued)	AHEE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
			Building S-621: Former hazardous substance storage; detected asbestos; and possible lead-based paint (D-HS/A/L(P)).		
			Buildings S-621R, 624, S-631R, S-647R, S-651R, S-657R, S-661R, S-667R, S-677R, and S-687R: Heating oil AST; possible asbestos; and possible lead-based paint (D-PS/A(P)/L(P)).		
			Building 622: Heating oil AST; possible lead-based paint (D-PS/L(P)).		
			Building 623: Possible petroleum and possible hazardous substance release associated with concrete pads previously used as drying beds; heating oil UST; and possible radionuclides from previous storage (D-PR(P)/PS/HR(P)/RD(P)).		
			Building 627: Possible petroleum ralease - raported overfill of heating oil UST; detected asbestos; and possible lead-based paint (D-PR(P)/PS/AL(P)).		·
			Building S-629: Regulated petroleum USTs and regulated solvent UST; documented petroleum UST release; possible release associated with solvent UST; detected asbestos; and possible lead-based paint (D-PR/PS/HR(P)/HS/A/L(P)).		
			Building S-630: Hazardous waste coffection, detected asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-HS/A/RD(P)/L(P)).		
			Building S-631: Possible hazardous substance spill release; detected asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-HR(P)/A/RD(P)/L(P)).		
			Building S-637: Possible petroleum and possible hazardous substance release observed on aerial photographs; regulated fuel USTs, heating oil USTs; fuel ASTs; releases associated with USTs; located in SWMU 47 - possible hazardous substance spill release; possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); possible sand blasting hazardous substance release (SWMU 54); hazardous substance storage; hazardous waste collection; waste oil collection; detected asbestos; possible radionucifides from previous storage; and		·

NOTE: An acronym list is provided on the last page of this table.

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Table 5-1. Parcel Identification.

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Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/ A/R(P)/RD/P/L(P) (Continued)	·		Building S-638: Petroleum storage and hazardous substance storage observed during site visits: possible asbestos; and possible lead-based paint (D-PS/HS/A(P)/L(P)).		
			Building S-639: Fuel AST; hazardous substance storage; hazardous waste collection; detected asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-PS/A/RD(P)/L(P)).		
			Building S-640 and Round Tank Warehouses 901 and 902: Possible asbestos; possible radionuclides from previous storage; and possible lead-based paint (Q-A(P)/RD(P)/L(P)).		
			Building S-641R: Possible heating oil tank; possible asbestos, and possible leadbased paint (D-PS(P)/A(P)/L(P)).		
			Building S-647: Possible petroleum and possible hazardous substance release observed on aerial photographs; fuel AST; possible petroleum release from compressor condensate drain; possible sand blasting hazardous substance release (SWMU 54); possible hazardous substance spill release; hazardous substance storage; hazardous waste collection; detected asbestos; and possible lead-based paint (D-PR(P)/PS/HR(P)/HS/AL(P)).		
			Buildings S-649, S-661, and S-677: Detected asbestos and possible lead-based paint (Q-A/L(P)).		
			Building 655: Heating oil AST; detected asbestos; and possible lead-based paint (D-PS/A/L(P)).		
			Building 656: Possible petroleum release; former petroleum storage; possible hazardous substance release; possible asbestos; and possible lead-based paint (D-PR(P)/PS/HR(P)/L(P)).		
			Building S-657: Hazardous waste collection; detected asbestos; and possible lead-based paint (D-HS/A/L(P)).		
			Building S-659: Possible hazardous PCB release to soil adjacent to structure (SWMU 53); detected asbestos; licensed radioactive materials storage (SWMU 18); permitted PCB transformer storage (SWMU 33); and possible lead-based paint (D-HR(P)/A/RD/P/L(P)).		
			Building S-671: Heating oil UST; heating oil AST; detected asbestos; and possible lead-based paint (D-PS/A/L(P)).		
			Building S-672: Heating oil AST; possible asbestos; and possible lead-based paint (D-PS/A(P)/L(P)).		

NOTE: An acronym list is provided on the last page of this table.

Parcel No.	ζο.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/ A/R(P)/RD/P/L(P) (Continued)	IR/HS/ L(P)			Building S-679: Heating oil AST; possible hazardous PCB release to soil (SWMU 53); possible asbestos; and possible lead-based paint (D-PS/HR(P)/A(P)/L(P)).		
			4	Building 691: Possible petroleum and possible hazardous substance release from wastewater outfall; fuel and heating oil USTs; fuel ASTs; possible release from USTs; located in SWMU 47 - possible hazardous substance release; hazardous substance storage; hazardous waste collection; waste oil collection; and detected asbestos (D-PR(P)/PS/HR(P)/HS/A).		
· · · · · · · · · · · · · · · · · · ·				Buildings 710, 712, and 713: Hazardous wasta collection and hazardous substance storage (D-HS).		
				Building 711: Emergency generator fuel AST (D-PS).		
				Buildings 714 and 716: Hazardous substance storage (D-HS).		
·				Building 715: Located in SWMU 38 - documented hazardous substance release and hazardous waste collection (D-HR/HS).		
67				Building S-735: Heating oil UST; flammable materials storage; and possible lead-based paint (D-PS/HS/L(P)).		
				Building S-753: Possible heating oil UST; detected asbestos; and possible leadbased paint (D-PS(P)/A/L(P)).		
				Buildings 2000, 2002, 2004, 2005, 2006, 2007, S-2008, 2014, and 2015: Located in SWMU 26 - documented hazardous substance release; possible asbestos; possible radionuclides from pravious storage; and possible lead-based paint (D-HP/A(P)/RD(P)/L(P)).		
				Building 2001: Located in SWMU 26 - documented hazardous substance release; hazardous waste collection; possible asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-HR/HS/A(P)/RD(P)/L(P)).		
				Building 2003: Petroleum storage and hazardous substance storage observed during site visits; located in SWMU 26 - documented hazardous substance release; possible asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-PS/HR/HS/A(P)/HD(P)/L(P)).	,	
		·		Building S-2009: Heating oil AST; located in SWMU 26 - documented hazardous substance release; possible radionucides from previous storage; and possible lead-based paint (D-PS/HB/RD(P)/L(P)).		

NOTE: An acronym list is provided on the last page of this table.

Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/ A/R(P)/RD/P/L(P) (Continued)			Building S-2010: Heating oil UST; located in SWMU 26 - documented hazardous substance release; and possible radionuclides from previous storage (D-PS/HR/RD(P)).		
			Buildings 2011 and 2013: Heating oil/emergency generator USTs; located in SWMU 26 - documented hazardous substance release; possible asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-PS/HR/A(P)/RD(P)/L(P)).		
			Building 2012: Heating oil AST; located in SWMU 26 - documented hazardous substance release; possible radionuclides from previous storage; and possible lead-based paint (D-PS/HR/RD(P)/L(P)).		
			Building 2016: Located in SWMU 26 - documented hazardous substance release; possible asbestos; and possible radionuclides from previous storage (D-HS/A(P)/RD(P)).		
			Building 2020: Heating oil AST; located in SWMU 26 - documented hazardous substance release; and possible radionuclides from previous storage (D-PS/HP/RD(P)).		
			Building S-2025: Located in SWMU 26 - documented hazardous substance release; hazardous waste collection; possible radionuclides from previous storage; and possible lead-based paint (D-HR/HS/RD(P)/L(P)).		
			CMF Building: Regulated USTs; petroleum and hazardous substance ASTs; hazardous substance storage; hazardous waste collection; waste oil collection; and remediated petroleum release and remediated hazardous substance release in portions of former Outfalls D and E now under CMF (D-PR/PS/HR/HS).		
			25 Ton Bridge Crane: Possible lead-based paint (G-L(P)).		
			Former Outfalls B, C, D, and E to IWL; and Former Outfalls F, G, H, J, K, and L to OIWL: Presently remediated and/or capped locations of former hazardous substance release and petroleum release associated with SWMUs 2 and 30 (D-PR/HR).		
			Area of Previous Channel Failure Along Former Outfall B to IWL: Possible petroleum release and possible hazardous substance release (D-PR(P)/HR(P)).		
			Two Former Trenches Identified on Aerial Photographs in the Maintenance and Supply Area of the BRAC Parcel: Possible petroleum disposal and possible hazardous substance disposal (D-PR(P)/HR(P)).		

Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS// A/R(P)/RD/P/L(P) (Continued)			Three Areas of Standing Liquid Identified on Aerial Photographs in the Maintenance and Supply Area of the BRAC Parcel: Documented petroleum release and documented hazardous substance release associated with SWMU 30 (D-PR/HR).		
			Former Drummed Radioactive Waste Storage Area: Possible radionuclides from former storage at two sites (Q-RD(P)).		
			90-Day Drum Storage Area: Location of SWMU 28 - documented petroleum release; petroleum storage; documented hazardous substance release; and hazardous waste storage (D-PR/PS/HR/HS).		
			Drum Storage Areas: Location of SWMU 29 - documented petroleum release; petroleum storage; documented hazardous substance release; and hazardous materials storage (D-PR/PS/HR/HS).		
			OSL 655-5: Possible petroleum release and possible hazardous substance release observed during site visits at recycling area; petroleum AST storage; hazardous substance storage; and possible asbestos and possible lead-based paint at unnumbered/undated structures (D-PR(P)/PS/HR(P)/HS/A(P)/L(P)).		
			OSL 665-4: Location of SWMU 32 - documented hazardous substance release (D-HR).		
			OSL 675-2: Location of SWMU 17 - documented hazardous substance release (D-HR).		
			OSL 680: Location of SWMU 31 - possible hazardous substance release (D-HR(P)).		
			OSLs 830, 831, 840, 841, 850, 851, 860, 861, 862, 870, 871, and 872: Located in portions of SWMU 26 (DRMO) where open storage occurs and structures are absent - documented hazardous substance release; and possible radionuclides from previous storage (D-HR/RD(P)).		
2D - PR(P)/HR(P)	Maintenance and Supply Area	Disqualified	Formerly Disturbed Ground Identified on Aerial Photographs in the Eastern Portion of the Maintenance and Supply Area of the BRAC Parcel: Possible petroleum disposal and possible hazardous substance disposal (D-PR(P)/HR(P)).	Aerial Photographic Site Analysis - BRAC Parcel (ERI, 1993)	None Required.
	4 Acres				
	Column: 38 Row: 82				

NOTE: An acronym list is provided on the last page of this table.

Table 5-1. Parcel Identification.

·	Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
	3D - PR/PS/L(P)	Maintenance and Supply Area	Disqualified	Water Tank 581; Possible lead-based paint (Q-L(P)).	AST inventory	Recommendations
		2 Acres		Fuel Oil Tank 582: Fuel oil storage with some reported minor overfills; and possible lead-based paint (D-PR/PS/L(P)).	Visual inspections and on-site	Table 4-1).
		AREE 13			observations	
		Column: 35 Row: 65			Employee interviews Construction date for	
1	4D - PR(P)/PS/HR(P) /HS/A/RD/L(P)	Administration Area	Disqualified	Building 100: Heating oil AST (D-PS).	UST inventory	Recommendations for ENPA AREEs
		146 Acres		Buildings S-101, S-103, S-104, S-110, S-111, and S-124: Possible petroleum	AST inventory	10, 12, 13, 14, and 19 (see Table 4-1)
-		ABEEs 10, 12, 13.		release associated with heating oil UST; detected asbestos and possible lead- based paint (D-PR(P)/PS/AL(P)).	Visual inspections	
		14, and 19		Buildings 109 and S-108: Heating oil UST and detected asbestos (D-PS/A).	observations	
70		Column: 34 Row: 13		Buildings 112 and 114, and Former Buildings 105 and 130: Heating oil UST (removed at former building locations) (D-PS).	Employee interviews Hazardous waste	
				Buildings S-113, S-118, S-120, S-121, S-122, S-125, S-126, S-141, S-143, S-145, S-151, S-153, 1001, 1002, 1004, 1005, and 1010: Heating oil UST; detected asbestos; and possible lead-based paint (D-PS/AL(P)).	collection information Asbestos survey	
				Buildings S-115, S-119, S-123, and S-149. Detected asbestos and possible lead-based paint (Q-AL(P)).	Construction date for each structure	
				Building S-117: Heating oil UST; detected asbestos; storage of small radioactive sources; and possible lead-based paint (D-PS/A/RD/L(P)).	Aerial Photographic Site Analysis - BRAC	
				Building S-139: Possible petroleum release associated with heating oil UST; and detected asbestos (D-PR(P)/PS/A).	Parcel (ERI, 1993) TEAD Installation	
				Building S-147: Heating oil UST; heating oil AST; detected asbestos; and possible lead-based paint (D-PS/A/L(P)).	Assessment (USATHAMA, 1979)	
				Buildings S-150 and S-152: Possible heating oil or UST and detected asbestos (D-PS(P)/A).	Radioactive material usage files	
				Building S-155: Heating oil AST; detected asbestos; and possible lead-based paint (D-PS/A/L/(P)).		

NOTE: An acronym list is provided on the last page of this table.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
4D - PR(P)/PS/HR(P) /HS/A/RD/L(P) (Continued)			Building 1000: Heating oil UST; petroleum AST; hazardous substance storage; detected asbestos; and possible lead-based paint (D-PS/HS/A/L(P)).		
			Buildings 1008, 1011, and 1110; Possible asbestos (Q-A(P)).		
			Buildings 1009, 1020, 1111, 1112, and the Tooele Valley High School: Possible asbestos and possible lead-based paint (Q-A(P)I_(P)).		
·			Demolished Former Base Housing Tract: Possible petroleum storage from ASTs and/or USTs which may have been used to supply heating oil to the residences (D-PS(P)).		
			Fenced Area (Former Motor Pool): Possible petroleum release; possible former petroleum storage; possible hazardous substance release; and possible former hazardous substance storage (D-PR(P)/PS(P)/HR(P)/HS(P)).		
			Former Bermed Area Identified on Aerial Photographs in the Center of the Administration Area of the BRAC Parcel: Possible petroleum disposal; possible former petroleum storage; possible hazardous substance disposal; and possible former hazardous substance storage (D-PR(P)/PS(P)/HR(P)/HS(P)).		
			Area of Former Trenches Identified on Aerial Photographs in the Southwest Comer of the Administration Area of the BRAC Parcel: Possible petroleum disposal and possible hazardous substance disposal (SWMU 52) (D-PR(P)/HR(P)).		
5D - PR(P)/HR(P)	Administration Area	Disqualified	Former Drainfield Identified on Aerial Photographs in the Northwest Comer of the Administration Area of the BRAC Parcel: Possible petroleum disposal; and	Aerial Photographic Site Analysis - BRAC	Recommendations for ENPA AREE 14
	24 Acres		possible nazgradus substance disposal (OVMO 52) (D-Fri(F)/Int(F)).	Parcel (EMI, 1993)	(see lable 4-1).
	AREE 14				
	Column: 34 Row: 31				

NOTE: An acronym list is provided on the last page of this table.

Table 5-1. Parcel Identification.

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6D - PR(P)/HR(P) Adminis Area 7 Acres		Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Remediation
7 Acn	Administration Area	Disqualified	Former Excavation Identified on Aerial Photographs in the Eastern Portion of the Administration Area of the BRAC Parcel: Possible petroleum disposal; and	Aerial Photographic Site Analysis - BRAC	None Required.
Colin	S		possible hazardous substance disposal (D-PR(P)/HR(P)).	Parcel (ERI, 1993)	
Row: 23	Column: 48 Row: 23				
7D - PS/HS/A(P)/L(P) Admir Area	Administration Area	Disqualified	Utah National Guard Facility: Petroleum ASTs; hazardous waste collection; possible asbestos; and possible lead-based paint (D-PS/HS/A(P)/L(P)).	AST inventory	Recommendations for ENPA AREEs
1 Acre				Hazardous waste collection information	10, 13, and 19 (see Table 4-1).
AREEs and 19	AREEs 10, 13, and 19			Asbestos survey	
Column: Row: 15	Column: 40 Row: 15			Construction data for each structure	
8Q - A/L(P) Mainte Supply	Maintenance and Supply Area	Qualified	Buildings S-687, S-689, and S-697: Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).	Asbestos survey	Recommendations for ENPA AREE 10
20 Acres	şe.		Buildings S-699: Detected asbestos and possible lead-based paint	Construction date for each structure	(see Table 4-1).
AREE 10	9		(G-A/L(P)).		
Column: Row: 81	ın: 33 81				
9Q - A(P)/L(P) Mainte Supply	Maintenance and Supply Area	Qualified	Round Tank Warehouses 804 through 829, 832 through 838, 842 through 848, 852 through 858, 863 through 868, and 878: Possible asbestos and possible	Asbestos survey	Recommendations for ENPA AREE 10
13 Acres	70S		tead-based paint (Q-A(P)/L(P)).	Construction date for each structure	(see Table 4-1).
AREE 10	- <u>-</u>				
Column: Row: 89	Column: 29 Row: 89				

NOTE: An acronym list is provided on the last page of this table.

Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
10Q - A(P)/L(P)	Maintenance and Supply Area	Qualified	Building S-669: Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).	Asbestos survey	Recommendations for ENPA AREE 10
	3 Acres			Construction date for each structure	(see Table 4-1).
	AREE 10				
	Column: 29 Row: 74				
11Q - A/L(P)	Maintenance and Supply Area	Qualified	Building S-677; Detected asbestos and possible lead-based paint (Q-AL(P)).	Asbestos survey	Recommendations for ENPA AREE 10
	1 Acre			Construction date for each structure	(see Table 4-1).
	AREE 10				
	Column: 29 Row: 76				
12Q - A(P)/L(P)	Maintenance and Supply Area	Qualified	Building 693: Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).	Asbestos survey	Recommendations for ENPA AREE 10
	1 Acre		Building S-694: Possible lead-based paint (Q-L(P)).	Construction date for each structure	(see Table 4-1).
	AREE 10				
	Column: 30 Row: 84				
13Q - A(P)/L(P)	Maintenance and Supply Area	Qualified	Building 586: Possible asbestos and possible lead-based paint (G-A(P)/L(P)).	Asbestos survey	Recommendations for ENPA AREE 10
	1 Acre			Construction date for each structure	(see Table 4-1).
	AREE 10				
	Column: 27 Row: 52				

NOTE: An acronym list is provided on the last page of this table.

Table 5-1. Parcel Identification.

Page 13 of 16.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
14Q - A(P)/L(P)	Administration Area	Qualified	Building T-159: Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).	Asbestos survey	Recommendations for ENPA AREEs
	2 Acres		Buildings 160, 161, 162, and 163: Possible asbestos (Q-A(P)).	Construction date for each structure	10 and 19 (see Table 4-1).
	AREEs 10 and 19				
	Column: 37 Row: 28				
15Q - L(P)	Administration Area	Qualified	Water Tanks 250 and 253: Possible lead-based paint (Q-L(P)).	Construction date for each structure	None Required.
	4 Acres				
	Column: 41 Row: 25				
16Q - A(P)/L(P)	Administration Area	Qualified	Tooele Valley High School: Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).	Asbestos survey	Recommendations for ENPA AREEs
	1 Acre			Construction date for each structure	10 and 19 (see Table 4-1).
	AREEs 10 and 19				
	Column: 33 Row: 18				
17Q - A(P)/L(P)	Administration Area	Qualified	Building 1006: Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).	Asbestos survey	Recommendations for ENPA AREEs
	1 Acre			Construction date for each structure	10 and 19 (see Table 4-1).
	AREEs 10 and 19				
	Column: 38 Row: 18				

NOTE: An acronym list is provided on the last page of this table.

Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
18P	Maintenance and Supply Area 224 Acres	CERFA Parcel	No evidence of hazardous substance release, disposal, or storage. No evidence of petroleum release, disposal, or storage. No evidence of non-CERCLA environmental or safety concerns possible impacting property transfer.	Historical information Existing records and documentation	None Required.
	Column: 34 Row: 86			Visual inspections and on-site observations	
				regulator interviews	
G	Maintenance and Supply Area 44 Acres	CERFA Parcel	No evidence of hazardous substance release, disposal, or storage. No evidence of petroleum release, disposal, or storage. No evidence of non-CERCLA environmental or safety concerns possible impacting property transfer.	Historical information Existing records and documentation	None Required.
	Column: 25 Row: 59			Visual inspections and on-site observations	
				Employee and regulator interviews	
20P	Administration Area 273 Acres	CERFA Parcel	No evidence of hazardous substance release, disposal, or storage. No evidence of petroleum release, disposal, or storage. No evidence of non-CERCLA environmental or safety concerns possible impacting property transfer.	Historical information Existing records and documentation	None Required.
	Column: 42 Row: 21			Visual inspections and on-site observations	
				Employee and regulator interviews	

NOTE: An acronym list is provided on the last page of this table.

FINAL

Table 5-1. Parcel Identification.

Page 15 of 16.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
9.7 P. 1.0 P. 1.	Administration Area 12 Acres	CERFA Parcel	No evidence of hazardous substance release, disposal, or storage. No evidence of petroleum release, disposal, or storage. No evidence of non-CERCLA environmental or safety concerns possible impacting property transfer.	Historical information Existing records and documentation	None Required.
	Column: 33 Row: 28			Visual inspections and on-site observations	
	·			Employee and regulator interviews	
ZZ	Administration Area 17 Acres	CERFA Parcel	No evidence of hazardous substance release, disposal, or storage. No evidence of petroleum release, disposal, or storage. No evidence of non-CERCLA environmental or safety concerns possible impacting property transfer.	Historical information Existing records and	None Required.
	Column: 31 Row: 19			Visual inspections and on-site observations	
				Employee and regulator interviews	-

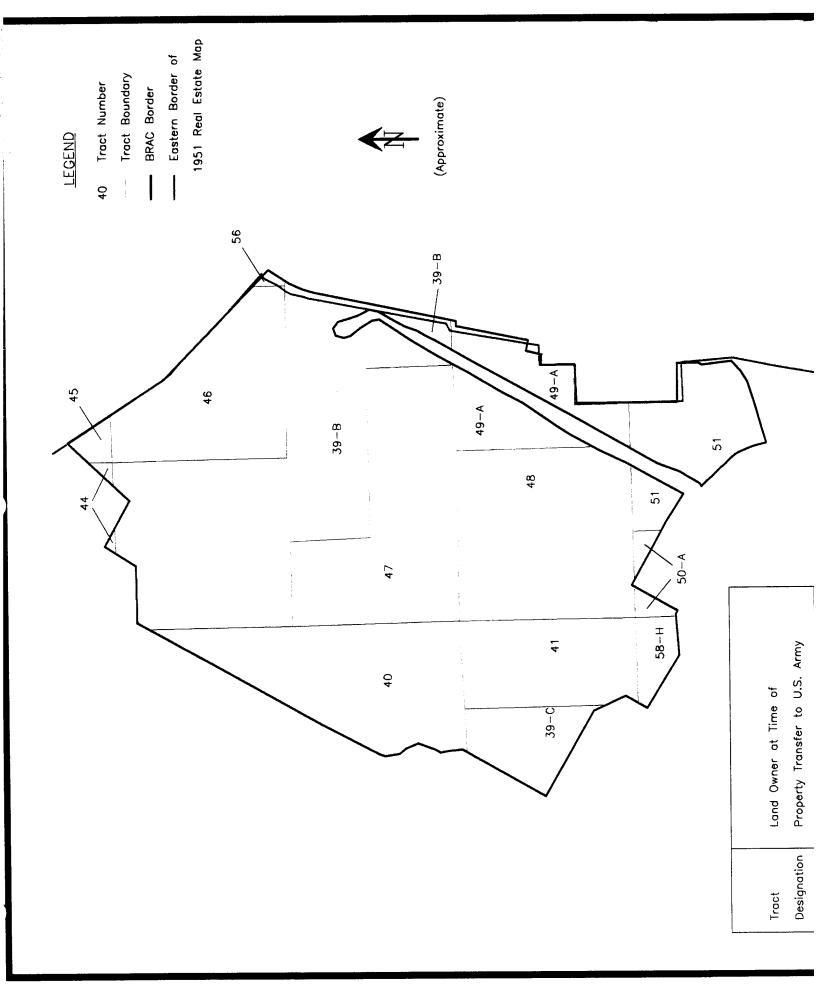
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Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
23P	Administration Area	CERFA Parcel	No evidence of hazardous substance release, disposal, or storage. No evidence of petroleum release, disposal, or storage. No evidence of non-CERCLA	Historical information	None Required.
	7 Acres		environmental or safety concerns possible impacting property transfer.	Existing records and documentation	
	Column: 28 Row: 14			Visual inspections and on-site observations	
				Employee and regulator interviews	

Possible Petroleum release/disposal Petroleum storage CERFA qualified percel Radon A Resource Conservation and Recovery Act Radionuclides IU Solid Waste Management Unit Tooele Army Depot Underground Storage Tank
(P) PR PS Q Q R R RCRA RD SWMU SWMU TEAD
Enhanced Preliminary Assessment Hazardous material release/disposal Hazardous material storage Industrial Waste Lagoon Lead-based Paint Number Old Industrial Waste Lagoon Open Storage Lot Open Storage Lot Operable Unit Polychlorinated biphenyl or CERFA Parcel Polychlorinated biphenyl
ENPA HR HS HS IML L No. OIML OSL OU P P PCB
AREE Area Requiring Environmental Evaluation (identified during ENPA) AST Above Ground Storage Tank BRAC Base Realignment and Closure CERCLA Comprehensive Environmental Response, Compensation, and Liability Act CCERFA Community Environmental Response Facilitation Act CCERFA Community Environmental Response Facilitation Act CMF Consolidated Maintenance Facility D CERFA disqualified parcel DRMO Defense Reutilization and Marketing Office
A AREE AST BRAC CERCLA CERFA CMF D D D D D D D D D D D D D D D D D D D

Sources: Environmental Programs Branch, 1991; ERI, 1993; MW, 1993; Pickering, 1991; REI, 1994a; USATHAMA, 1979.

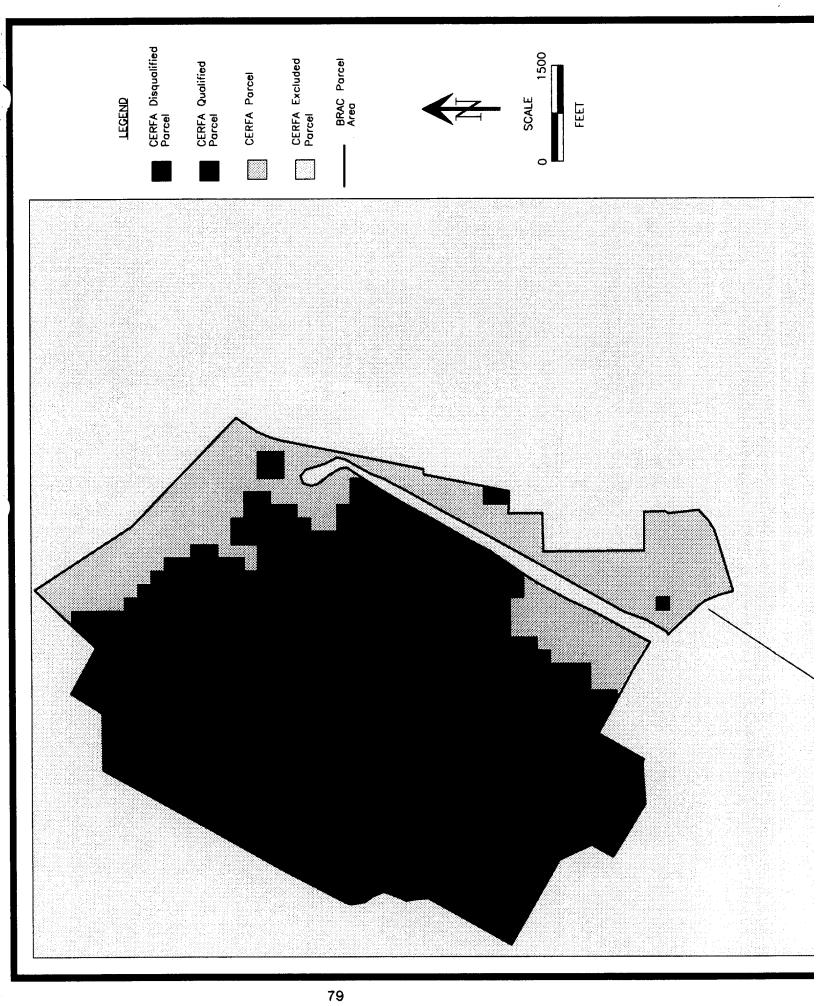


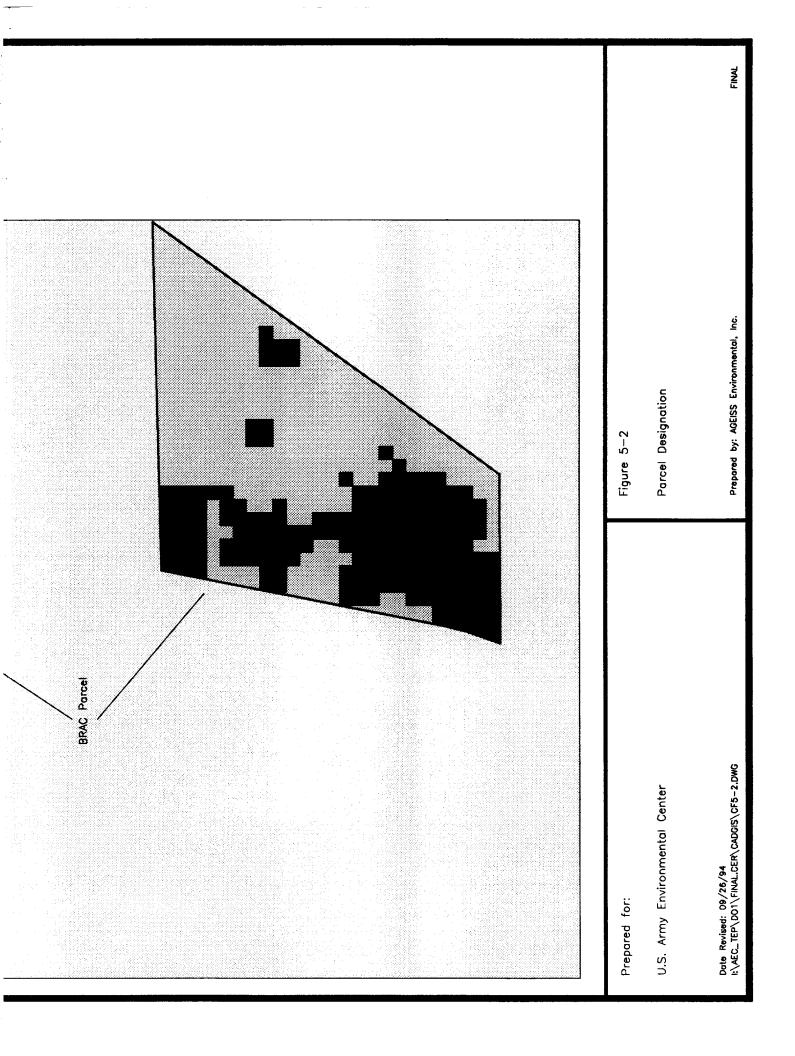
	W. Frank Atkin, et al.	70	
	-	58-L	
	State of Utah	58-H	
	Annie A. Gillespie	57	
8	Stana Urich	56	=.
	Annie M. Atkin	54-B	
7	Willard G. Atkin and W. Frank Atkin	53	
	James A. Hogle and Mary C. Hogle	51	
	William H. Bryan and Emily L. Bryan	50-B	
53 54-B	William H. Bryan and Emily L. Bryan	50-A	
	Howard J. Clegg and Zella O. Clegg	49-A	
	Nellie Elizabeth Savage		
	Fred Arthur Bonham and	48	
	William B. Outcalt		
8-09	Margaret Outcalt and	47	
	Frank Penovich	46	
	Gerritje Spitters		
	Francois J. Spitters and	45	
	James D. James, et al.	44	
	George L. Tate and Alice R. Tate	41	
	Peter Clegg and Ida L. Clegg	40	
	Peter Clegg and Ida L. Clegg	39-C	
	Peter Clegg and Ida L. Clegg	39-B	
Plates, 1951 (modified).	Federal Works Agency	ပ	
SOURCE: U.S. Army Corps of Engineers Real Estate	Housing and Home Finance Agency	80	
	Property Transfer to U.S. Army	Designation	
	Land Owner at Time of	Tract	
	i		

-58-L

This Tract Map is approximate since the representation of the eastern border of the installation differs between the BRAC parcel and the 1951 real estate map. The tract information from the 1951 real estate map was therefore overlain on the BRAC parcel using the best fit match of the eastern border of the installation.

FINAL Prepared by: AGEISS Environmental, Inc. Figure 5-1 Tract Map Date Revised: 09/23/94 I:AEC_TEP\D01\FINAL.CER\CADGIS\CF5-1.DWG U.S. Army Environmental Center Prepared for:





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HAZARDOUS MATERIALS INVENTORY REPORT

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MATERIAL INVENTORY REPORT DATE: 1993-10-12	0F1T5 A 13286 0F1T5 B 13230 2 0F1T5 C 13225 2 0F1T5 A 13417	NZO NZO NZO NZO NZO
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B 13250 156,000 02N C 13225 36,000 02N A 13265 48,000 02N C 11348 48,000 02N B 13226 36,000 02N A 13236 36,000 02N		02F 02N PT PT GL
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5W216 A 5W216 A 33333 A 33832 A		82925 A 72988 A	CAGE PNI		18537 A 81348 A 0FTT5 B 0FTT5 C 0FTT5 A			CAGE PNI 18260 A	:	CAGE PNI	-000		2E/58 A 52100 A 04963 A	76381 A 33451 A		59581 A XXXXX A		24622 A 96717 A 33333 A		70227 A 0AHD1 A 7A345 A
THINNER DOPE& LACQUER-CELLUL 8010001605788 THINNER, AIRCRAFT COATING, PO 8010001818079 TT-E-508 WHITE 27875 SEMIGLO 8010002867839 TT-P-664 PRIMER COATING	910, 172, AMD2 8010005978199 F BRUSH INK 7510001610815 671E FG1860 9150001900917	VV-L-BUDC;OCTOIL 90-2;LUBRIC 9150002319062 WHITE SG ALKYD ENAMEL 27875 8010002867839 HDSC: HDSC1375	IAL NSN T	57, THINNER, PAINT PRODU 8010001605787 E STENCIL INK, BLACK 7510001610811	PAINT STENCIL SAND 101D6 8010002253906 SO SURE LACQUER, ORANGE 1219 8010005843148 SO-SURE OBLITERATING COMPOUN 8010005843143 SO-SURE OLIVE DRAB 14064(14B 8010005843149 SO-SURE STENCIL INK BLACK 37 7510004697910 SO-SURE WITTE PAINT, ENAMEL 8010007829356 MD-AG SERAY FANS 12 77 010007829356	77273SQH		GEN 6830005774623	4DSC: HDSC503	JAL NSN	#17875 GLOSS WHITE LACQUER 8010002906983 01770 OSHA GLOSS BLACK, 4590 8010002906984 1010 POWDERED SOAP 8WBS7 1010 1101 E FT 1010 PDESEDBAY SOAD RURS7 1010		coc, compound ininning Light Buidduigus 788 3527 LATEX RESIN ENAMEL 801000N009887 3M BRAND GENERAL TRIM ADHESI 804000X790824	מא אינו	IC SEMIGLOSS, ACCENT BAS 801000X904746 OL SPRAY PAINT YELLOW 1 8010007219744	AEROSOL-ACRYLIC LACQUER YELL 8010009588151 ALKALINE PHOSPHATE DEFERGENT 8W87F01040	KEEZE-EINTLENE GLICUL 0030000041409	BIG BLU LEAK REACIANI 5P8/2B81542 BRAKE FLUID 455 9150002319071 CARRON DIOXIDE (CABRONIC ACT ARXONO2AGA109	-	AUTOMATIC TRANS
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24.000 OZN	NET STORAGE	12.000 02N 24.000 02N 12.000 02N 12.000 02N 12.000 02N		BARCODE NET STORAGE	116.000 GL 18.000 GL 11.000 GL 75.000 GL 720.000 OZN		BARCODE NET STORAGE	10.000 GL 2.000 GL 6.000 GL	15.000 GL 4.000 GL 2.000 GL	10,000 GL 20,000 GL 36,000 GZE	7.000 GL 7.000 GL	15.000 GL	5.000 GL 51.000 GL	25.000 GL 110.000 GL	888	1056.000 0ZF 84.000 0ZF		960,000 02F 192,000 02F 576,000 02F		
13236	_	4946 13230 13225 13265 11348			13388 939036 13237 13393 13265			13399 13397 1284	13394 13396 13388	13390 12149 5989	13431 7517 939036 13389	13446 8480	2039	13393 9822 1197	11484	4946 11515	13230	13265	13436	11418
09137 A		81348 A 0FTT5 8 0FTT5 C 0FTT5 A 0FTT5 C	;	CAGE PNI	4N760 A 61196 A 18537 A 61196 B 0FTT5 A	:	CAGE PNI			5W216 A 34094 A 91522 A	96162 A 2R128 A 61196 A			61196 B 59595 A 02256 A		81348 A 58536 A				
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WD-40 SPRAY CANS 12 0Z. HDSC: HDSC1320	MATERIAL	SO SURE LACQUER, ORANGE 1219 8 SO-SURE OBLITERATING COMPOUN 8 SO-SURE OLIVE DRAB 14064(148 8 SO-SURE STENCIL INK BLACK 37 7 SO-SURE WHITE PAINT, ENAMEL 8	HDSC: HDSC1345	MATERIAL	A-A-857, THINNER, PAINT PRODU 8010001665787 ENAMEL LUSTERLS OD STY ALKYD 8010002972112 PAINT STENCIL SAND 101D6 8010002263906 PRIMER COATING LAC, RUST INH 8010002904078 SO-SURE STENCIL INK BLACK 37 7510004697910	HDSC: HDSC1374	MATERIAL	14260-GREEN 16492-GRAY 00 17875 WHITE	743410-OLIVE IDRAB 743422 ENAMEL LUSTERLS QD ST A-A-857, THINNER,PAINT PRODU	ACETONE ADHESIVE, PAPER LABEL AFROSOI STITCONE 111R #A615	BOILED LINSEED DIL 20761-33-8 BRAYCO 756, PETROLEUM BASE FAMBEL LUSTERIS OD STY ALKYD 8 ETHYL ALCOHOL	HYDROULIC FLUID ISOPROPYL ALCOHOL, ANHYDROU	P-D-680 TYPE I MINERAL SPIRI 68 P-D-681 TYPE I MINERAL SPIRI 68 PAINT STENCIL SAND 10106 81	PRIMER COATING LAC. RUST II RANDO OIL HD 32 SAT-T-BOL II	SDA-3A,190 PROOF DENATURED SILICONE GREASE COMPOUND G	SO SURE LACQUER, ORANGE 1219 81 SO-SURE LACQUER, SPRAY PAINT 81	SO-SURE OBLITERATING COMPO	SO-SURE ULIVE DRAB 14U04(1) SO-SURE STENCIL INK BLACK SO-SUBE UHITE DAINT ENAME	SO-SURE YELLOW 13538(44-13	SPEC-MIL-A-178A, ADHESIVE, STARTING FLUID

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	938	DEGREASER SAFETY SOLVENT 5'	GUMOUT JET SPRAY-GUMOUT AFRO		RTV102	EGREASER(AEROSOL)	LAWDEK, ITPE Z,KED	AV CANS 12 07	1			C511	*************				IVE DRAB	266C COMPOUND THINNING LIGHT	WASTED CAS	MASIER GAS	AMSCO SOLV, 1241				LUCITE BASEMAKERS	250	200	CRYLIC ENAMEL/CHE(WEL TOPCOATS/5005	THE POST OFFICE AND	IMEKS, CHKUMAIE PRI	OUCERS	ENAME! DEDITION 1700C	DOCERS ITOUS	S RESIN	T ACTIVATORS HARDE	TOWN TO THE TANK T	TARI ACRYLIC ENAME	TENCTI INV BLACK A	COURT TWO DENCY	באשטבא, זורם ב, אבט	CTS: 1075S, 1080S, 10	616S PART R	V CANE 12 02	71 CANS 12 OZ	41 CANS 12 UZ.				594							#17875 GLOSS WHITE LACGUER	77 77 10 000 10 100 10	GLUSS BLACK, 425	4ASE, BLACK 17058,F	TER-BASED ADHESIV	C CAU CAN ONE	7'(C_UN .MY)'CJY'	9 -020-323	_	בייים מוספט מואי.	LILLY, DAOMIN OAIDE	JOND THINNING LIGO	ADRES, SEALANT CIF	3527 LATEV DECTU ENAME!	NESIN ENAMEL		ZENTHANE MII -C-5	ZENTUANE WILLCEZ	ZENINANE, MIL-C-23	ENTHANE, MIL-C-530	3M BRAND CARPET STAIN REMOVE 7	PEROXIDE "60"	TENOMINE OF
2040	CENTARI 793S	DEGREASER	GUMOUT JE	MIL-C-450	RTV102	SOLVENT D	THOTIE UAN	LD - 40 COD	WIND SHEET			HDSC: HDSC511			MATERIAL		#24087 OLIVE DRAB	266C, COMP	ACHE END 1	ALUBLEND :	AMSCO SOL	BONDO	BOSTIK	2112	CENTARI &	CENTAR! 75	TACKED OF THE PARTY OF THE PART	CENTARI AL	CLEAR FNAM	THAME TO SELECT	ENAMEL PK	ENAMEL REL	ENAME! DED	באסוורר אבו	FIBERGLASS	ISOCYANATE	1100000	PAINT CEN	SO-SUBE ST	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	וו ריטבאיו	URO PRODUC	VARIPRIME	400 07 WT	A 40 07 04 04 04 04 04 04 04 04 04 04 04 04 04	WD-40 SPRF				HUSC: HUSCSY4	1 1 1 1 1 1 1			MATERIAL	1		#17875 GLC	01770 Ocu4	1150 0110	U3-BK-28 B	1046-A. WA	12/005740	70.000-431	14-U230-3c	16187 GRAY	100 00100	מייים מייים	JAW01, 1007	3145 RTV A	3527 1 ATEV	2757 CAIEA	5/058	383 BROWN	ZRZ CDEEN	JOS GARRIN	383GREEN 2	3M BRAND C	46-700 MEK	5070
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SAF 1 9150011772763 7x110 A 5236	8010004907651 61196 A 3996 10,000	70506 A 3937 0 000	8010009652389 70506 A 1052 0.000	8010007219746 07708 A 9074 12.000	8010005845148 U//U8 A 12155 0,000	8010007219743 07708 A 12204 D DOD	8040000922816 96900 A 2260 0.000	6810000064206 97984 A 1104 0 000	8030006561426 77247 A 4893 0.000	8030005798453 04011 A 376 1.000	9150005307369 1V074 A 5067 0.000	40500X877591 01326 A 13052 0.000	130001686703 01526 A 15203 0.000	010001412724 07700 A 1069 U.UUU	01000/219/44 39361 A 3460 36,000	01001X404665 PAINI A 15241 12,000	150001866703 58563 A 12146 550,000	030002441033 XXXXX A 939134 4,000	830001690800 6J576 A 11380 1800 000	8010001506518 71101 A 2574 0 000	001000 0001374 0101 A C340 0,000 0000 00100 001000 00100 00100 00100 001000 001000 001000 00100 00100 00100 00100 00100 00100 00100 00100 00100 001000 00100 00100 00100 00100 00100 00100 00100 00100 001000 00100000 001000 001000 001000 001000 0010000 001000 001000 0010000 001	00.1000F005525 0K267 A 12545 155.000	6810008195741 51971 A 5061 0.000	0000 C 12121 A 4000 C C C C C C C C C C C C C C C C C	UICZ3BA183 BRODI A 12151 0.000	8010007219751 59581 A 4792 12,000	70200 70127 A MINIMA 4 12107	DOO'D SOUTH WILLIAM O' COLLAND	8010009588148 0FTT5 B 939135 0.000	8010007219752 0FTTS R 13328 12 000	SOLOGO TOTAL STATE OF THE STATE OF THE SOLOGO TOTAL STATE OF THE SOLOG	8010001412958 58556 A 12125 12.000	810009498331 23894 A 13277 0.000	170/cn127bur-1 8052/. A 1217/. 0 000	130,0012/FRC-1 09324 A 131/4 0,000	L794S0135 89524 A 13176 0,000	70/cn207 8052/, A 12177 0 000	0.000 0.000 0.000 0.000	L794S0136 89524 A 93056 0.000	170/cn613cT-1 2052/. A 02115 n nnn	70/c0/21/c13 0053/ a 0244/	2L/7450014512 89324 A 75116 U.UUU	6850U10615495 94058 A 12970 0.000	6850009415054 94058 A 11479 n nnn	5p872p10770 17520 A 02000 0 000	STOCKED TOTAL TOTAL 0.000	685000812000/ 568// A 11209 10,000	000 0 870% & 8288 7 C002182000183	000.0	00100 00100 WILL WORLD WILL WORLD WILL WILL WILL WILL WILL WILL WILL WI	8010010171512 33148 A 12143 5120.000	T 9010010101774 221/0 A 2525 20 000	UNION CCCC A SPICE STORY OF THE PROPERTY OF TH	8010001617275 35832 A 4047 10.000	JC DB 8010001417275 00840 A 7245 0 000	00.00 C0C4 A 4007 C121101000100 A1	8030008387789 31285 A 12005 0.000	8030008387789 09137 A 3138 0 000	001000001111000000000000000000000000000	0000 W 15939 0.000	8W85/ CCXU5X HYDRO A 1529U 0.000	73086 600 8x792 A 13294 n nnn	015000100700 04724 4 7007	041000404040404040404040404040404040404	9150001912//2 01526 A 5566 0.000	8010006647077 34094 p 3854 z 000	80100E008608 778028 A 12772 40 000	0010001000100 12020 H 12340 10.000	A 1416 2.000								NSN CAGE PNI		703000F001372 04063 & 12117
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0.000 GL 0.000 DT 0.000 PT 0.000 PT	0.000 02F 0.000 PT 0.000 GL 0.000 GL 0.000 GL	19 000.0 0.00.0 0.00.0 0.00.0 0.00.0 0.00.0		0.000 at 0.0		40.000 6L 0.000 0ZF 0.000 6L 0.000 0ZR 0.000 0ZF				0.000 02F 0.000 02F 0.000 04 0.000 6L 0.000 PT 0.000 6L 0.000 6L
8480 12181 1069 3460 254	11545 13241 2012 111094 12150 2460	11410 12146 12190 11349 939134 12072	6017 11380 12102 13144 11971 12133	1355 11979 11354 13137 12345	4168 12930 3863 2311	73.106 370 6208 12344 11416	6411 13135 12131 5856 11395	4792 11095 13328 13265 11348	11479 11620 13169 9788 12098	12170 6672 13329 6059 11061 12130 11209 2604
72190 A E0222 A 07708 A 59581 A 08589 A	25555 A PAINT A 58563 A 85768 A 81522 A 81348 A	58563 A 58563 A 32268 X) 33333 A XXXXX A 18260 A	14862 A 6J576 A 3Z268 09225 A 61253 A 20420 A	00933 A 23894 A 61196 A 61196 A 6K287 A	06341 A 84794 A 61112 A 09869 A	05972 A 05972 A 80318 A 07607 A 01139 A	01139 A 34495 A BRODY A 07750 A 01139 A	59581 A SUNMA A 0F115 B 0F115 A 0F115 C	94058 A 84163 A 82956 A 53984 A STRSO A	17529 A 05972 A 05792 A 14392 A 09225 B 17781 A 56877 A 33150 A 29700 A
OROUS 650500298095 6850006010430 8010001412952 1 YELLO 8010007219744 803000996313		7 % 5 4 1	E 01L, 684006877904 QUID. 6830001690800 SAND # 801000X895602 6840006646610 LIVE) 20004		801000822439 68500000118 STARTING 291006469727 801006167486	(FORM 8030091806222 ULK GR 9150002229657 S-833 685000000695 NT/BLA 8040008658991	T 8040002254548 TOMOTI 9150001900907 OTC2384183 915006982382 9150071029455 C ADHE 804007174422	1-7178 8010007219751 TED IN 7930013068369 161(0) 8010007219752 ACK 37 7510004697910 ACK ACK ACK ACK ACK ACK ACK ACK ACK ACK	PEC 0	N 8040000084 L CYCL 804001429193 L1CONE 803000X844875R1 60 9150010355396 -53039 8010012763640 TING F 915000X77377 NRY CL 685000B120007 NRY CM 80330005261605 9150003972855
ISOPROPYL ALCOHOL, ANHYDROUS JX-93TC TONER LACQUER RED, X8431 LACQUER, AEROSOL 13538 YELL LEAK LOCK MACCO INGOI	NT, AER 2735/MI LT "E" P	MIL-L-61520, 10W, 40AL #MP-3 MIL-L-461528 & AMDI 10W30 & MIL-P-14105 383 GREEN: 34094 MIL-T-81772A (AS) THINNER, A NEATS FOOT OIL LEATHER CONDI NITROGEN	U-D-12/0, DE LENGENT PINE OIL OXYGEN-REFRIGERATED LIQUID. PAINT LIQUID PAINT, HEAT RESISTING SAND PARA-DICHLOROBENZE PHILLYCLAD 300 RESIN(OLIVE) PI INROND 20	PM1918 POLISHING COMPOUND PRINER, EPOXY CIG, CORR INHI PRINER, EPOXY CORR INHIB, LE PROLINE FINISHES/PL-120 ACRY PS/I PART NO.592 (PIPE SEALA	6/PT-428 RIMER START I 11105	RETAINING COMPOUND 609 (FORM ROCKHELL 950 SEALANT(BULK GR RTV SILICONE RUBBER SWS-833 RTV-103 ADHESIVE SEALANT/BLA RTV102	RTV102 SILICONE SEALANT SA 824 3262; CREASE AUTOMOTI SAFETY SOLVENT AEROSOL SB 837 1330 SB 7001 (BRAKE FLUID) SCOTCHGRIP 1099 PLASTIC ADHE	SILVER LACQUER, GP-0001-7178 8 SIMPLE GREEN CONCENTRATED IN 72 SO-SURE GOLD 17043-148161(0) 8 SO-SURE STENCIL INK BLACK 37 72 SO-SURE WHITE PAINT, ENAMEL 8 SODIUM METAPHOSPHATE TECH	SOLVENT DEGREASER, FED SPEC SPHINKPATE D-3603 STAMP-PAD INK STODDARD SOLVENT STRIP-SOL	SUPER POXEE-EPOXY RESIN SUPERBONDER 499 THERMAL CYCL SUPERFLEK HIGH TEMP SILICONE SWEPCO 201 LUBE, 85W/140 TAN 686 ZENTHANE MIL-C-53039 TAP MAGIC ALUMINUM CUTTING F TC-500 TILE, GROUT&MASONRY CL TECTYL 846 ANTI-CORROSIVE CM TERESSTIC 32
3 000.0 3 000.0 3 000.0 3 000.0			0.000 0 0 0.000 0 0 0.000 0 0 0.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0.000 0ZF 0.000 GL 0.000 PT 0.000 PT 0.000 0ZN	0.000 PT 0.000 LB 0.000 02F 1.000 GL 0.000 PT		0.000 GL 0.000 BT 0.000 GL 0.000 BT 0.000 PT 0.000 GL
9773 12145 12144 12159 11367 2024	13247 11092 3423 11020 2552	12313 13430 12339 8237 6382	12197 11385 11381 11506 3882 11063	13224 13 6408 4263 4387 12105	11128 12535 12064 12140 6668	162 3996 11371 4798 1847	939014 431 9074 11517 12155 7389	1534 2106 4890 13136 2219 12114	376 126 11052 12126 12147	12154 5025 5020 11987 11582 2186 8689 1068
61196 A 61196 A 61196 A 09869 A 09869 A	38933 A 55972 A 76381 A 18A63 A 33451 A		19630 A 19630 A 18260 A 60226 A 09869 A	OLDP3 A 98502 A 0AES8 A 25670 A 33333 A 04963 A		08163 A 61196 A 18241 A 33451 A 60930 A	33461 A 07708 A 07708 A 07708 A	28112 A 73165 A 08028 A 59479 A 20130 A 23894 A	04011 A 04011 A 1A862 A 08800 A 2X769 A	09869 A 27689 A 16522 B 62377 A 62377 A 12625 A 07950 A 33461 A
1		6830002646755 801000X904746 6830004984241 8010012297544 8010012297544	915000F004840 6850001817940 6830002818808 9150011977691 8010002906158		8040010385043 801000F003464 9150002812234 685000N003007 6830001690786					801000228505 840007216055 915001035394 8010010607176 5530010386789 8650008237861 9150002234134
705015; COATING, ALIPH. POLYUR. 1 705015; COATNG, ALIPH. POLYUR. 1 705020; COATNG, ALIPH. POLYUR. 1 728-010; PRIMER, FORMULA 1178; 726-011 PRIMER (MASH) PRETRE 745-468, ALKYD, SEMIGLOSS	80023 SILICONE FORM-A-GASKET 80045 PIPE JOINT COMPOUND 8074 92285A (HEWLETT-PACKARD) A-A-47 AA-1801	ACETYLENE, ETHYNE ACRYLIC SEMIGLOSS, ACCENT BAS B ACUBLEND MASTER GAS ALIPHATIC POLYISOCYANATE, 383 ALIPHATIC POLYISOCYANATE, 383 ALIPHATIC POLYISOCYANATE, 383 ALIPHATIC POLYISOCYANATE, 383	AMOCO LITHIUM MULTI-PURPOSE ANTIFREEZE/COOLANT JC-06 ARGON BATAM S-830-RR BLACK 17038 BLACK 37030 ZENTHANE, MIL-CS	BLUE GIANT NON-BUTYL DEGREAS BOSTIK BUFSOL-CODES:820,832,840,974 C-111,ADHESIVE, RUBBER BASE CARBON DIOXIDE (CARBONIC ACI CAT CEMENT 7M7260(BEF JAN 83	CATERPILLAR CEMENT #5H2471 CENTARI ACRYLIC ENAMEL 733A CHEVRON AUTOMATIC TRANSM.FL. CHISEL GASKET REMOVER (AEROS CHLORINE	CL3 EMERSON MM90076, ELEC.FOR CLEAR-LACQUER ACRYLIC CLYTAL 1201A RED INSULATING COR-ON CORROSION RWIG/METAL CUDITNI	DEFTHANE DARK GRAY ENAMEL OS ENAMEL, BLUE, 15102 ENAMEL, BLUE, 15102 ENAMEL, OLIVE DRAB, 14064 ENAMEL, ORANGE 12197 EPI-SEAL PLUS CURING AGENT -	FC-43 FLUORINERT BRAND ELECT FEL-PRO C5-A FORM-A-GASKET #2, MIL-S-4518 FORMICA 100 NON-FLAM. BRUSH FULL FORCE ANTIFREEZE FURNITURE POLISH	GC-408 CLASS B GC-408 CLASS B SEALING COMPO GC-408 CLASS B SEALING TO GLYPTAL 1202 INSULATING VARN GGLD MEDAL BREAK-IN 011:;COD	GSA AIR DECODRANT GSA AIR DECODRANT HDX ALL PURPOSE GEAR LUBE SA HEAVY WEIGHT BODY FILLER HIGH TACK SPRAY-A-GASKET/800 HIGH TACK SUPER ADHESIVE HOTSHOT STARTING FLUID;#65-1 HYDRAULIC FLUID

S CC 6500002550726 90976 A 1914 1 0 0.000 GL 2666, CORDOD THUMN IN ILL C 5303 B 1334 A 11105 9 0.000 GL 2666, CORDOD THUMN IN ILL C 5303 B 1334 A 11105 9 0.000 GL 2666, CORDOD THUMN IN ILL C 5303 B 1334 A 11105 9 0.000 GL 2666, CORDOD THUMN IN ILL C 5303 B 1334 A 11105 9 0.000 GL 2666, CORDOD THUMN IN ILL C 5303 B 1334 A 11105 9 0.000 GL 2666, CORDOD THUMN IN ILL C 5303 B 1334 A 11105 9 0.000 GL 2666, CORDOD THUMN IN ILL C 5303 B 1334 A 11105 9 0.000 GL 2666, CORDOD THUMN IN ILL C 5303 B 1334 A 11105 9 0.000 GL 2666, CORDOD THUMN IN ILL C 5303 B 1334 A 11105 P 1334 B 13	CAGE PNI BARCODE NET STORAGE	707C 4	09225 A 1	97984 A 1104 0.000	08882 A 13351 0.000 86511 A 7123	72190 A 8480 5.000	33333 A 11349 10,000 58402 A 12109 10,000	61196 A 11354 6K287 A 12345				CAGE PNI BARCODE NET STORAGE	33461 A 33451 A	09225 A 11346 12101	09225 A 11986 226.000 61196 A 9773	09869 A 12159 8,000 09869 A 11367 50,000	09225 A 13263 0.000 09225 A 8237 1.000	A 6382 15.000 A 11063 114.000 A 1847 4.000	33461 A 431 14,000 5V430 A 13282 0.000 00849 A 12154	33461 A 1068 605.000	32268 XX 12190	A 11349 366.000 A 12072 11550.000 A 12109 0.000	12102 23.500 A 13144 6.000	A 1355 A 1355	11354	A 11358 0.000 A 12345 75 000	A 4168 12.000	B 6318 A 11042	C 11348 24,000	54216 A 12027 0.000 GL 55246 A 13133 550.000 GL	i	:	CAGE PNI BARCODE NET STORAGE
8010005587026 9V846 A 9141 751000F009536 9A977 A 11045 8520002280598 81348 A 11100 681000571487 8ES8 A 1506 8010000793752 60777 A 904 8010000793752 60777 A 904 8030000783789 9137 A 13268 803000189862 9135 A 13268 803000189862 9135 A 13268 803000189862 9135 A 13268 8010002970584 90137 A 1328 8010002970584 90137 A 1328 8010002570584 9137 A 1328 8010005270584 9137 A 1328 8010005270584 9137 A 1328 8010005270584 9137 A 1328 8010005270584 9132 A 1338 8010005270584 9132 A 1338 801000527045 34094 B A 12346 801000527045 34094 B A 12346 801000527045 34094 B A 12346 801000527045 1 34094 B 14145 804000F000827860 92381 A 1234 801000256724 28954 A 3281 8010004825671 98502 A 1380 8010004825671 98502 A 1381 80400064206 97944 A 1234 80400064206 97944 A 1234 8010004825671 98502 A 1380 8010000574505 B 4195 A 1235 8020005774623 84195 A 1380 9150001759154 A 3388 80300015759154 A 3388 80300015759154 A 3388 8030008387789 9150001759154 A 3138		266C. COMPONING THINNING LIGHT ROLLOGATOR	383GREEN ZENTHANE, MIL-C-5303 8010012297747 BLUE GIANT NON-BUTYL DEGREAS 685001X424811	ETHYLENE GLYCOL, TECH 6810000064206 FP-95A PENETRANT (SEE SUPPI 6850007822760	HEAT RESISTANT BLACK, 4279 801000N006099 ISOPROPYL ALCOHOL	ISOPROPYL ALCOHOL, ANHYDROUS 6505002998095	MIL-1-81/72A (AS) IHINNER, A 8010001818079 NITROGEN(7727-37-9) 6830005774623	PRIMER, EPOXY CIG, CORR INHI 8010011879820 PROLINE FINISHES/PL-120 ACRY 801000F005325		HDSC: HDSC612			03-BK-28 BASE, BLACK 17038, PO 8010001818276 37038 8010006169143	363 BRUWN ZENIHANE, MIL-C-53 8010012297545 383 GREEN ZENTHANE,MIL-C-530 8010012328514	383GREEN ZENTHANE,MIL-C-5303 8010012297547 705015; COATING, ALIPH, POLYUR, 8010012297541	728-010; PRIMER, FORMULA 117B; 8030002812726 728-011 PRIMER (WASH) PRETRE 8030001658577	ALIPHATIC POLYISOCYANATE, 383 8010012297541 ALIPHATIC POLYISOCYANATE, 383 8010012297544	ALFMAIL FOLTISCTANAIE, 583 801001229561 BLACK 37030 ZENTHANE, MIL-C5 8010012297542 CORROSION RMVG/METAL CNDITNI 6850001749672	DEFIHANE DARK GRAY ENAMEL 03 8010011009094 EPOXY COATING, WHITE 17925 C 8010000822439 GRAY 16492;742-624:ENAMEL AL 8110105568R5	IS-143, POLYURETHANE THINNER, 8010002801751	MIL-C-22750 "E" PART 8 801001313871 MIL-P-14105 383 GREEN: 34094 8010012354164			PM1918 5610007825556	PRIMER, EPOXY, CORR INHIB, LE 8010011930517	PRIMER-WASH PRETREATMENT FOR 8030002812726 PROLINE FINISHES/PL-120 ACRY 801000F005325	PT-426/PT-428 8010000822439				uner. uner412	חושיבויים וויים וו	MATERIAL NSN
THINNER FOR LIGG TOTLET SOAP TRICHLORGETHAN TT-6-04-68 TT-6-04-68 TT-6-04-68 WUTT- RED WULTS RED SPEC WULF, SHEAD SPEC WOLF'S HEAD SPEC WOOD FILLE WOLF'S HEAD SPEC WOOD FILLE WOLF'S HEAD SPEC WOLF'S HEAD SPEC WOLF'S HEAD SPEC WOOD FILLE WOOD FILLE WOLF'S HEAD SPEC WOOD FILLE WOOD	8010005587026 9V846 A 9141 0.000 COR 751000F009636 9A977 A 11045 0.000 8520007280598 81348 A 11100	111 DEGRS COL 6810005511487 08ES8 A 1506 0.000	8010000/93/52 60/7/7 A 904 0.000 8010016172/75 33832 A 4047 0.000 5010011137 7777 4047 0.000	8030009381947 56921 A 2013 0.000	805000858789 09137 A 3138 0.000 P 804000F017177 17510 A 12194 0.000	09869 A 4528 0.000 XXXXX A 13208 0.000	SER 9150001889862 01326 A 5113 0.000	Y SERI 91500157777 2,000 2556 0,000	241 801000F008608 73828 A 12346 0.000	80300112/3683 55246 A 13133 0.000 6810005844070 5A188 A 2374 0.000	8010005272045 09869 A 1416 0.000 CARTRIDGE F-4010XEROX 61121 A 949031 0.000	9150002500926 33333 A 6113 0.000	M		CAGE PNI	98502 A 13	A(264000526724 28954 A 3281		CAGE PNI E	804000F000321 04963 A 11415	8040001429193 05972 A 6672 8010002516505 12904 A 1234	es es	CAGE PNI B	000 0026 21261 AX 873C7 324787000289	GAS 6830004984241 51847 A 12339 1800,000	8010004825671 98502 A 13 0.000	RPOSE(SP /930009265280 1A862 A 6045 0.000 6810000064206 97984 A 1104 0.000	9620002336712 84195 A 12537 12.000 683000572623 18260 A 12072 2000 000	6830001690800 6J576 A 11380 7200,000	6850009415054 94058 A 11479 0.000 9150000773777 17781 A 12130 0.000 915000173754 17781 A 2720	8030008387789 09137 A 3138 84.000		

35,000 GL	BARCODE NET STORAGE	1740.060 0ZF 117.000 0ZF 76.440 0ZF				344,000 PT 94,500 DZF		18.000 0ZF 1.000 GL			12.250 LB 308 000 075	0.000 UZF	15.000 LB	240.000 GL	267.900 02F 18.000 GL	1,000 GL		389.000 02F 7.000 GL				5.000 GL 68.000 GL	0.000 OZF		2.000 GL		_	26.000 OZF		110,000 OZF	800	74.415 OZF	38		0.000 0ZF		400,000 0ZF 64,000 0ZF
11061 12027		2181 11382 2792	11420	2294	3355 3901	3548 11518	11415	15085 3527	2024	13430	5243	1073	4667	11506	3614 3779	919	12093	11523	4263	11128	12140	162	2510	4798	1847	1905	5984	3937	4598	2410	4551	9074	7389	1104	4549	4890	11103
09225 B 5W216 A	CAGE PNI	25871 A 80183 A 09800 A	3N611 A		2E 758 A 05972 A	33451 A 0AU16 A	04963 A	7 1984 A 09869 A	09869 A	XXXXX A	54527 A	33451 A	84180 A	60226 A	70785 A 09869 A	09869 A	96162 A	07950 A 07950 A	25670 A	76381 A	05972 A	08163 A	21267 A	33451 A	60930 A	05972 A	1A862 A 7108/ A	70506 A	70506 A	0126/ A 61106 B		07708 A	19092 B	97984 A	62377 A	08028 A	23301 A
TAN 686 ZENTHANE MIL-C-53039 8010012763640 THINNER,AIRCRAFT COATING, PO 8010001818079 HDSC: HDSC619	NSN	#17875 GLOSS WHITE LACQUER 8010002906983 000060 JET PAK UNIT, LAB NO: 4940008036444 01770 OSHA GLOSS BLACK. 4590 8010002906984		20109, PRIMER, BROWN OXIDE P 801000675434	4POUND THINNING LIQUI 8010001605787		Ė.	742-732 8644761 8646761 100006644761	, ALKYD, SEMIGLOSS 8010005273197		AEROSHELL GREASE 17;SHELL CO 9150007542595 AEROSOL SEALANT 818	W AEROSOL	ANTI-SIEZE COMPOUND 83:11FM 5230005975367 AVIATION FORMAGASKFT #3:11FM 5230006.008050			BLUE 151231742-518:ALKYD ENA 8010008531859 BLUE GIANT NON-BUTY! DEGREAS 685001x424811	INSEED OIL 20761-33- 8010001523245	KEE, SB-2 REE-CLEANER, LUB & PRE 9150010536688	OHESIVE, RUBBER BASE 8040002981946		CHISEL GASKET REMOVER (AEROS 685000N003007 CHROMIC ACID CHROMIC ANHYDR 6810002643030		CLEANING & LUBRICATING COMPO 6850005709360		CORROSION RMVG/METAL CNDITNI 6850001749672		DETERGENT,GENERAL PURPOSE SP 7930003577386 DOW CORNING 02-1143 STLIFONE 9150011020455			PENEIKALING FLUID 685UUU9739U91 L ALKYD GLOSS BLACK 742 8010005272050	ENAMEL ALKYD SG GREEN 24533 8010005273197	BLUE, 15102 8010007219746		ETHYLENE GLYCOL, TECH 681000064206 FORM-A-GASKET #1 80200050229		-GASKET #2, MIL-S-4518 8030002523391 -GASKET 3	WHITE
TAN 686 ZENTH THINNER, AIRCR HDSC: HDSC619	MATERIAL	#17875 00060 0 01770	101-S G	20109,	271	37038 F	3M BRAN	742-732	745-468	ACRYLIC	AEROSOL	ALKYD E	ANTI-SI AVIATIO	BATAM S	BLUE 15	BLUE 15	BOILED	BRAKE	C-111, A	CATERPI	CHISEL	CL3 EME	COLEANIN	COR-ON	CUTTING OIL	CV#83, GRADE	DOW COR	DR054-C	DR076-C	ENAMEL	ENAMEL	ENAMEL,	EPI-SEA	ETHYLEN	FORM-A-	FORM-A-	FOUGERA
			36.000 ozn 0.000 ozn		227.304 OZN			63.000 OZN	95.000 0ZN		128,000 OZN		0.000 OZN 64.000 OZF		20.000 OZN				ARCODE NET STORAGE	0.000 PT	0.000		3,000 GL 0,000 GL				35,000 GL		25.000 GL 5.000 GL			0.000 GL		0.000 QT		95.000 GL 6.000 PT	
13032 2294 11415 12313 12339 12978	13051	11381 4975 6408	13028 1104	4893	12318	12161	2122	13033	12970	13021	12976	12967	2013 12040	13236	12003				an ı	3548	11346	11986	У —	,,	(41	4) -	_	₩ ←		12072	12102	13144	12221	1355	11354	12098
11761 A 59986 A 04963 A 42568 XX 51847 A 07431 A	XXXXX A 09687 A			77247 A	09800 A		04963 A		94058 A 60777 A					09137 A			;		CAGE PNI	33451 A	U9225 A	09225 A	61196 A 61196 A		XXXXX A		09869 A 09225 A		72190 A 37268 xx					20420 B		61196 A	
	8030011068393 1218-0072		8030009156123 6810000064206	8030006561426	801000102XXX	9150002811838	8040006644318	8010001594522	6850010615493	9150000687864	8010002614160	803000F007223	8030008326949	9150010548665	8010002395737				NSN	8010006169143	8010012328514	8010012297547	8010012297541	8010012330060	8030001638377 801000X904746	8010008152692	8010002906158	8010002801751	6505002998095	A 8010001818079	6830005774623	8010012354166	# 801000X895602	20004		8010011879820	801000X827667
#356 MULTI-PURPOSE LATEX ADH 20109, PRIMER, BROWN OXIDE P 3M BRAND GENERAL TRIM ADHESI ACETYLENE, ETHYNE ACUBLEND MASTER GAS ANTI-SIEZE COMPOUND	ANTI-SPATTER ARCAIR ALCLEAN	ARGON BLUE LAYOUT FLUID; 603 (NEW BUFSOL-CODES:820,832,840,974	C-100 ETHYLENE GLYCOL,TECH		LAYOUT FLUID REMOVER; 606	APID TAP	SCOTCH-GRIP RUBBER ADHESIVE SO-SURF GRAY 36306(104-380)(SO-SURE OLIVE DRAB 14064-204	SOLVENT DEGREASER(AEROSOL) SP-1100(603 BLUE LAYOUT FLUI	TAP MAGIC CUTTING FLUID	TURPENTINE	V-100 EPOXY GROUT STANDARD F	WD-4U WD-40 BULK LIQ, 1 GAL	WD-40 SPRAY CANS 12 0Z.	WHITE LEAD BASIC CARBONATE P		HDSC: HDSC615		MATERIAL	38	383 GREEN ZENTHANE, MIL-C-33 383 GREEN ZENTHANE.MIL-C-530	383GREEN ZENTHANE, MIL-C-5303	705015;COATING,ALIPH.POLYUR. 705015:COATNG.ALIPH.POLYUR.1	705020; COATNG, ALIPH. POLYUR. 1	728-UII PRIMEK (WASH) PREIKI ACRYLIC SEMIGLOSS ACCENT BAS	ALUMINUM PAINT	BLACK 17038 BLACK 37030 ZENTHANE. MIL-CS	1S-143, POLYURETHANE THINNER,	ISOPROPYL ALCOHOL,ANHYDROUS Mii-b-14105 383 GREEN: 34004	MIL-T-14103 303 GREEN: 34034 MIL-T-81772A (AS) THINNER. A	NITROGEN	NIIKUGEN(//Z/-3/-9) PAINT LIQUID	PAINT, HEAT RESISTING SAND #	PHILLYCLAD 300 HARDENER PHILLYCLAD 300 RESIN(OLIVE)	PM1918	PRIMER, EPOXY CIG, CORR INHI SO-SURE WHITE PAINT ENAME!	STRIP-SOL

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100 / 1111 //O	-CUKRUSIVE CM 8030005261605 33150 A 2604 ACQUER-CELLUL 8010001605788 5W216 A 12012 8030002021107 34004 A 2005	010006160009 55652 A 2185 0.000	010002516505 12904 A 1234 0.000	3661	010010171512 33148 A 12143 0.000	150002575370 1V074 A 11508 31.500	803009381947 56921 A 2013 403.920	80300083887789 09137 A 12040 0.000	E 8040001092481 04963 A 11483 A	ARBONATE P 8010002395737 33151 A 12003 20,000	7930009262275 23894 A 13253 19,000	9150001889862 01326 A 5113	SER 9150001896729 01326 A 6097 990,000	8010005272045 01358 A 3366	000.4		HDSC: HDSC620	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ž		10800 A 2702	8010005824743 33333 A 2631 9,000	685000N003007 05972 A 12140 10,000	A 162 108.000	8010005843149 07708 A 11517 24.000	8010001818079 53333 A 11349 5.000 683000577622 18260 A 12672 1826 66	OXYGEN-REFRIGERATED LIQUID. 6830001690800 6.1576 A 11380 300 000 18		USYJSUH -JSUH			MATERIAL NSN CAGE PNI BARCODE NET STORAGE		801000X904746 XXXXX A 13430 10 000	18464 A 12384	801000F005325 6K287 A 12345 15.000	8010002970584 09869 A 4528 7.000	, .	HDSC: HDSC639			NSN CAGE PNI B	0 A 114.17	6840010039590 93702 C 1484 120 000	8010000675434 59986 A 2294 594,000	804000F000321 04963 A 2294 594,000	804000X790824 04963 A 11953 904,500	A 11415	8040009957080 76381 A 3423 R4 DDD	42568 XX 12313 6300.000	6830004984241 51847 A 12339 3900,000	33338 A 12971 0.000
50% 000	1945 400,000 02F 11509 31,500 LB	32.500		124.800	10.000	4900.000		21.000	244.440		84.000	1,000	200,000	8	110.000		2560 15.000 GL 5375 5 5 50	302 000		3,000	30,000	9.000	2.000		103,000		44.000	16.000		13.500	92.700	16.000	10.300	180.000		374 000	12.000	30.000		5967 672.000 0ZF	188 907	22,000	0000	262.500	13222 10.500 ozr	42.000	2043 0.000 0ZF	1961 73.500 0ZF	80.000		5059 660.000 GL 5465 396 000 025	
4	33333 A 76736 A	« «	⋖ •	< <	07950 A	< ⊲	. <	< <	⋖	59581 A	< <	< <	< ≪	⋖	58563 A	< •	< <	05922 4	< <	33150 A	⋖	31711 A	< •	61104 A	< <	٠	4	< <	< <	<	01139 A	< <	: ⋖	⋖	< <	33150 A	: ⋖	⋖	⋖ .	92581 A	۲ م	: «	81348 A	⋖	⋖・	< <	< <	∶ <	⋖ .	< -	14392 A 81340 A	۲ <
GASKET REMOVER 803000E001896	SEALING COMPOUND		HIGH TACK SPRAY-A-GASKET/800 5330010386789	JID;#65-1	HYDRAULIC FLUID 9150002234134			KRYLON CRYSTAL CLEAR SPRAY 1 8010005152487		LACQUER, AEROSOL 15538 YELLO 8010007219744	גרבאג	NO. 250	ETHYLSILICON		C-2735/MC-2786/MC27	MIL-C-450 8030002905141		MIL-S-22473 GRADE C - SEALIN 8030008237917	MIL-T-83483 8030002433285		RAY, LUBR		DENETDATING 01:	N F/RRAKE D	SEALANT		QUICK START DIESEL STARTING 2910006469727		#11136-1 8010005273198		RTV-103 ADHESIVE SEALANI/BLA 8040008658991	ADDEST VE SEALANI	RTV102 SILICONE SEALANT 8040002254548		SBF 1001 (BKAKE FLUID) 9150011029455 SCOTTHAI RDAND EDGE SEALED 7 807000340040	ר	SDA-3A, 190 PROOF DENATURED A 6810005437415		TELLA(R) OIL 10W	SILICONE / 915000823/860	SURE LACQUER 8010005825382	LACQUER BLUE 15102	LACQUER, OLIVE DRAB	LACQUER, YELLOW 1353	1/1/8-14816	DEGREASER,	DHESIVE 74	INK-BLACK			SWELCU 201 LUBE, 03W/14U 915UU1U555596 TB 1361(A).RED.GRADF A RO30000R1233R	(PE

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BARCODE NET STORAGE 2792 1797 17191 17191 17191 17191 17192 17194 17195 17196 171963 171963 171963 171963 171963 171963	96.000 GL 96.000 GZF 0.000 GZF
	11485 4263 4263 4264 12105 12105 12140 12140 12140 1328 4021 12163 11138 11138 1134 11138 1134 11138 1136 11158 1158 1158 1158 1158 1158 1158 1158 1158 1158 1158 1158 1158 1158 1158 1158 1158 1158 1
CAGE PN1 19139 C 19139 C 26758 A 26758 A 09225 A 09225 A 42568 XX 60225 A 62525 A 625	07950 A 55470 A 55470 A 64952 A 76828 A 76828 A 76828 A 76828 A 75281 A 7528 A 7528 A 7186 A
1 1	BRAKE FREE-CLEAMER, LUB & PRE 9150010535688 C-111, ADHESIVE, RUBBER BASE C-111, ADHESIVE, RUBBER BASE C-111, ADHESIVE, RUBBER BASE C-111, ADHESIVE, RUBBER BASE C-117, ADHESIVE, RUBBER BASE C-117, ADHESIVE, RUBBER BASE CATALYST 24LV, PART-D CA-412 CHISEL GASKET REMOVER (AEROS 685000003307 CLANING & LUBRICATING COMPO 685000003307 CLYPTAL 1201A RED INSULATING 5970007825740 D100 DEVELOPER & D350 DEVELO 68500007822740 D100 DEVELOPER & D350 DEVELO 68500006701359 D0W CORNING 730RTV FLUCROSIL 8030000642064 ETHYLENE GLYCOL, FECH FAST DRY SAFETY SOLVENT FULL FORCE ANTIFREEZE G624 SILICONE REASE COMPOUN 6850008807616 G624 SILICONE REASE COMPOUN 6850008807616 G625 SILICONE REASE COMPOUN 6850008807616 GCOD MEDAL BREAK-IN 011.; COD 915000110021 GCODWRENCH CLEAR RTV SILICON 830001035394 HIGH TACK SUPER ADHESIVE HIGH TACK SUPER A
\$552 \$300,000 OZF \$90325 \$6,000 GL \$263 \$0,000 OZF \$11128 \$6,000 OZF \$11519 \$208,000 OZF \$6,000 OZF \$15053 \$6,000 OZF \$12053 \$6,000 OZF \$12053 \$6,000 OZF \$12053 \$6,000 OZF \$1300 S100,000 LB \$114180 \$1000 OZF \$12053 \$1000 OZF \$12050 \$12,750 GL \$120500 \$12050 \$120500 \$120500 \$120500 \$120500 \$120500 \$120500 \$1	7 27.000 PT 120.000 PT 120.000 PT 120.000 PT 102.250 PT 102.250 PT 102.250 PT 102.250 PT 102.250 PT 102.200 QT 102.200 QT 103.000 PT 104.2000 QT 105.000 QT 105.000 QT 105.000 QT 105.000 QT 105.000 QT 105.000 QT 105.000 PT 105.000 QT 105.000 QT 105.000 PT 105.000 PT 105.000 QT 105.000 PT 105.000 P
92381 A 92381 A 76381 A 66833 A 86833 A 86833 A 86833 A 10054 A 10054 A 10054 A 10054 A 10054 A 81710	1044146331499941444358352955551634519
BLUE TOOLMAKER'S INK #6001, 6850006649067 BODY LIGHT BODY LIGHT CORROSIVE RUBBER BASE CATERPILLAR CEMENT #5H2471 B03001346513 C-111,ADHESIVE, RUBBER BASE CAREPOLLAR CEMENT #5H2471 B030013464513 GLASS MAR-GLASS MAR-GL	WATER-BASED ADHESIVE 323 PE JOINT COMPOUND HEMETT-PACKARD) THIUM MULTI-PACKARD) THIUM MULTI-PACKARD) PLUS CURING AGENT C5-A EF POLISH NR, LIG, REG, RDY TO DECODORANT STARTING FLUID;#65-1 TONER 1601, MMF173 CSAL TONER 1601, MMF173 TONER 1700, MMF173 TONER 170
BLUE TOOLMAKER BODY LIGHT C-111, ADIGHT C-111, ADIGHT CATERPILLAR CEI CORROSIVE PREVI GLASS CEANER I HEAT FENCE MAR-GLASS MILE - 19907C, PN N-1051 MMM-A-14 N-1051 MMM-A-14 N-40 BULK LIQ WD-40 BULK LIQ WD-40 SPRAY CA	1046-A, WATER-1046-A, WATER-1046-A, WATER-14-0536-323 3145 RIV ADHEE B0045 PIPE JOI 92285A (HEWLEI PRO C L ITHIUM DAP 230 SEALAM DAP 230 SEALAM DAP 230 SEALAM DEODO C LASS CLNR, LI GSA AIR DEODO C LASS CLNR, LI TONE REMOVE REMOVE REMOVE RILIGO SARETY SOLVEN STODDARD SOLVEN STELD-ON WET ON YELLOW INK JET ON YELLOW I

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29700 A	50999 A	16365 A	03530 A	05972 A	09800 A	MEGUI A	58563 A	58563 A	33333 A	51926 A	23894 A	18260 A	08028 A	6J576 A	09225 A	85091 A	05972 A	34897 A	61196 A	05972 A	OKND3 A	MTWST A	80318 A	35933 A	01139 A	01139 A	01139 A	01139 A	01139 A	34495 A	07750 A	01139 A	04963 A	1F942 A	37676 B	0FTT5 C	94058 A	SU155 A	05792 A	05972 A	05972 A	9X051 A	81349 A	0BES8 A	56921 A	09137 A	5A188 A	33333 A
6810002865435	2910006469727	6850009979663	6850001862963	8030000812339	9150008237860	7930011335375	9150011524119	9150001110210	8010001818079	9150008431636	6850009652082	6830005774623	685000F008768	6830001690800	8010008895602	8030010540740	685000F002042	8040002009190 8010000236696	8010011879820	8030010540740	8040008779872	OK2H41610	9150002929657	803000N000591	6850008807616	8040008779872	8040002254548 8040002254548	685000F001517	8040009381535	8040001449774	9150006982382	9150011029455	8040002738717	6810005437415	6850007822740 751000467910	8010007829356	6850009415054	7510004697910 801000x827667	803000X844875RT	05972587-30	803000F003832	585000F004170	8030000812338	6810005511487 8010008998825	9381	8030008326949	6810005844070	9150002500926
DPROPYL ALCOHOL, ANHYDROUS	ART FAST FLASH FUEL, NO	ייייייייייייייייייייייייייייייייייייייי	OX (TYPE I)	GRADE A ANAEROBIC AD	METHYLSILIGON "	D-MEGUIAR'S PROFESSIONAL P	MC-2524/MC-2735/MC-2786/MC27	-2120UJGKADE 3UJUVAL#M -14105 383 GRFFN: 34004	HINNER, A	AUTOMATIC TRANSMISSION	C3/ 20 034 27-72 00 01 00 00 00 00 00 00 00 00 00 00 00	IROGEN	JRO NAVAL JELLY RUST D	DAINT HEAT BESTSTAND CAND A	CSISTING SAND #		W/TEFLON	F/BRAKF D	POXY CIG, CORR INHI	NO.592 (PIPE SEALA	ALANT PN	DVE	WELL 950 SEALANT (BULK GR		108 ADHESIVE SEALANT	THE 1470 THOUSE 119	SILICONE SEALANI ADHESIVE/SFALANI	SILICONE RUBBER		3262: (GREASE AUTOMOTI	1330		57 ADHESIVE (H1	X 9	LEANER (PRE 1/8	WHITE PAINT, ENAMEL	GREASER, FED SPEC O		HIGH TEMP SILICONE	ULTRA BLUE SILICON	LUE, SILICO	LVER TARNISH REMOV	361(A), RED, GRADE A	ILOROETHAN 111 DEGRS COL. -1757 GRFFN 34151 PRIMFR	-40	UD-40 BULK LIG, 1 GAL	LENE	LLOW PROTOPET 2A

HAZARDOUS MATERIALS USAGE REPORT

	BARCODE NET USAGE	3.950 GL 3410.000 GL 13.900 GL	20.000 GL 30.000 GL 5.000 GL		BARCODE NET USAGE		26.400 GL 500.000 LBS 26.400 GL	169.600 GL 278.750 GL 1076.130 GL	17.000 GL 5.000 GL 9.000 GL 32.000 OZF			91.000 GL 36.250 GL 30.000 GL 619.000 GL		2.500 GL 2.500 GL 205.000 GL 27.000 GL				BARCODE NET USAGE	7.500 LBS 1.188 LBS 3.788 LBS
		8480 13224 11349	11354 11346 11986	5		1355 8480 12072	12109 4168 13282	11349 12027 1068	12154 9141 3548 11042	11348 12345 13144 11354	13137 13263 9773	11063 8237 11346 11986			11367 12159 11358	6362			13019 12970 12318
	CAGE PNI		61196 A 09225 A 09225 A		병	00933 A 72190 A			09869 A 9V846 A 33451 A 0FTT5 A			09225 A 09225 A 09225 A 09225 A			09869 A 09869 A 61196 A 55276		į	CAGE PNI	60777 A 94058 A 09800 A
	NSN	6505002998095 S 685001X424811 A 8010001818079	11 8010011879820 3 8010012297545 3 8010012297547 E 8030001458577		NSN	5610007825556 6505002998095 683000577,623	6830005774623 8010000822439 C 8010000822439	A 8010001818079 to 8010001818079 ty 8010002801751	L 8010005262856 8010005587026 8010006169143 4 8010006169143	8010007829556 Y 801000F005325 # 801000X895602 II 8010011879820	E 8010011930517 53 8010012297541 1, 8010012297541	5 8010012297542 53 8010012297544 53 8010012297545 53 8010012297547	55 8010012299561 50 8010012328514 51 8010012330060 52 801061335060	74 8010012354164 8010012354166 99 8010012763640 8010013138711	te 8030001658577 t; 8030002812726 br 8030002812726	E 9150001896729		z	11 6850010150834 6850010615493 801000102XXXX
BUITLDING: 609		ISOPROPYL ALCOHOL, ANHYDROUS 6 BLUE GIANT NON-BUTYL DEGREAS 6 MIL-T-81772A (AS) THINNER, A B	EPOXY CIG, CORR INH WN ZENTHANE, MIL-C-5 N ZENTHANE,MIL-C-530 PRIMER (UASH) PRETE	NG: 612		PM1918 ISOPROPYL ALCOHOL, ANHYDROUS NITBOGEN	HITROGEN(7727-37-9) PT-426/PT-428 EPOXY COATING. WHITE 17925	MIL-T-81772A (AS) THINNER, A 8 THINNER, PO 8 THINNER, AIRCRAFT COATING, PO 8 IS-143, POLYURETHANE THINNER, B	492;742-624;ENAMEL AL BLACK 37038, ID: 64	WHILE PAINI, ENAMEL FINISHES/PL-120 ACR HEAT RESISTING SAND EPOXY CIG, CORR INH	EPOXY, CORR INHIB,L IC POLYISOCYANATE,38 COATING,ALIPH.POLYUR	BLACK \$7030 ZBN HAME, MIL-C5 BLACK \$100 ZBN HAME, MIL-C5 BLACK BROWN ZENTHANE, MIL-C-53 BLACK BROWN ZENTHANE, MIL-C-530 BLACK BROWN FOR WHAME, MIL-C-530 BLACK BROWN FROM FROM FROM FROM FROM FROM FROM FROM	ic Politisocranale, se En ZENTHANE, MIL-C-53 COATNG, ALIPH. POLYUR.	MIL T 14103 GREEN: 34094 TAN 686 ZENTHANE MIL-C-53039 MIL-C-22750 "E" PART A	728-011 PRIMER (WASH) PRETRE 728-010;PRIMER,FORMULA 1178; PRIMER-WASH PRETREATMENT FOR XIS-67RIST PREVENTIVE)	LUBRICATING 01L 60,505-30, E	NG: 613		SP-1100(603 BLUE LAYOUT FLUI SOLVENI DEGREASER(AEROSOL) LAYOUT FLUID REMOVER; 606
BUITLDI	MATERIAL	ISOPROP BLUE GI MIL-T-8	383 BRO 383 GREE 728-011	BUILLDING	MATERIAL	PM1918 ISOPROPY NITROGEN	NITROGEN(7727- PT-426/PT-428 EPOXY COATING	MIL-T-8 THINNER IS-143,	GRAY 1649 THINNER 37038 SO SURE,	PROLINE PAINT, PRIMER,	PRIMER, ALIPHAT 705015;	BLACK 3 ALIPHAT 383 BRO 383GREE	383 GRE 705020;	PAINT LIQUID TAN 686 ZENTI MIL-C-22750	728-011 728-010 PRIMER- XI 5-678	LUBRICA	BUITLDING	MATERIAL	SP-1100 SOLVENT LAYOUT
500.000 LBS 5.000 GL 1.000 GL	1.000 GL 16.000 OZF 1.625 GI	48.000 0ZF 4.511 LBS 1.500 LBS	46.000 02F 2.000 GL 100.000 LBS 110.000 GL	5.000 GL 15.000 GL 165.000 GL	385.000 GL 110.000 GL 37.000 GZ	11.875 LBS 80.000 0ZF 1.175 LBS		ARCODE NET USAGE	32.000 02F 32.000 02F 80.000 02F	32.000 025	ARCODE NET USAGE	0.034 OZF 0.034 OZF 0.034 OZF	0.034 02F 0.034 02F 0.034 02F	1540.000 LBS 1100.000 GL 750.000 LBS	3,000 LBS 3,000 GL		ARCODE NET USAGE	32.000 02F 12.000 02F 24.000 07E	12.000 0ZF 12.000 0ZF
6073 2686 3865	3631 12050 13386	13110 3138 12005	13155 13296 13291	13292 13290 13203 12146	6097 5366 13236	13052 13180 12131			13153 13131 3410	9001	8	93056 93115 93116	13176 13177 93090	5061 13277 6668	4387 11953		ı <u>تم</u>		6368 12130
			88559 A HYDRO A HYDRO A	HYDRO A HYDRO A 01326 A 58563 A	01326 A 01326 A			 CAGE PNI B	88559 A 88559 A 07708 A	OSCIEL A	CAGE PNI	39524 39524 39524 39524	39524 39524 39524	51971 A 23894 A 7A345 A		;	CAGE PNI		17781 A 17781 A 17781 A
7930002691272 8010001605788 8010008377969	8010009262135 801000F003496 801000FM30409	8010011576925 8030008387789 8030008387789	8RS88559 8W857 1010 8W857 1040	8W857 1040F 8W857 CCX05X 9150001866703 9150001866703	9150001896729 9150001912772 91500191278	940500X877391 BASEMAKER OTCZ3BA183		NSN	15RS88559 17RS88559 8010005985936	90300010033990	NSN	2L.794S0136 2L.794S0613ST-1 2L.794S0614ST2	2L794S0127FRC=1 2L794S0135 1 2L794S0297	6810008195741 6810009498331 6830001690786	6830002450199 804000X790824	1	NSN		9150001759154 9150008773777
8031-18-3 OIL-DRY COMPOUND THINNING LIQUI SOLV, 1241	BONDO ENAMEL REDUCERS 1700S PAINT CENTARI ACRYLIC ENAMELS	CENTARI 793S WD-40 SPRAY CANS 12 OZ WD-40 SPRAY CANS	COATS/500S58 AP RESPRAY SOAP	1040F POWER CLEAN FOAMING SO WIND SHEET WAX WIND SHEET WAX HD MOTOR OIL SAE 104-30 MIL-1-46152R & AMDI 10W30 &	FYS HEAD SPECIAL DUTY SER FYS HEAD SPECIAL DUTY SERI	GUMOUT JET SPRAY-GUMOUT AERO 94 CENTARI & LUCITE BASEMAKERS BA SAFETY SOLVENT AEROSOL	BUIILDING: 511'		ENAMEL PRIMERS, CHROMATE PRIM URO PRODUCTS:1075S, 1080S, 108 #24087 OLIVE DRAB	ribekurasa kesin BUIILDING: 606	MATERIAL	SOLUTION SO136 PHOSPHATE RED SOLUTION SO613 ST-1 SOLUTION SO614 ST-2	SOLLUITON SOLET PRC-1 (INDICASOLUTION SOLES VM REAGENT SOLUTION SO297 3000 MICROMHO SOLUTION DAYER OF PAPE DAYER OF SOME	SOLEN TOXES TO TO THE TOWN OF SERVING OUEBRACHO EXTRACT SODIUM METAPHOSPHATE TECH CHLORINE	CARBON DIOXIDE (CARBONIC ACI 3M BRAND GENERAL TRIM ADHESI	BUITLDING: 608	MATERIAL	DEGREASER, FED SPEC C T, GENERAL PURPOSE(SP DAY CANS 12 07	WD-40 STAIL CONS 12 OL TAP MAGIC CUTTING FLUID
CAS 266 AMS	BOI EN	<u> </u>	446		<u> </u>	3 5 5	8	MA	E E	1 28	¥ ¥	: 0000	3 S S 5	8 9 8 E	55	BB ;	¥:	SO	Z Z Z

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	11479 11479 11553 11553 11515 11516 11516 11516 11516 11519 11619
	94058 A 01267 A 01268
	SOLVENT DEGREASER, FED SPEC O 6850009415054 DU-OL PENETRATION FULD 68500003003 DU-OL PENETRATION FULD 68500003003 SPRAY STENCIL INK-BLACK MIDDSHIELD CLEANER BOTOODG/75437 DINDSHIELD CLEANER BOTOODG/75437 DRO76-CONCENTRATE SOLOODG/75437 BOTOODG/75437 BOTOODG/7547 BOTOO
	12976 2.000 LBS 13028 1.500 LBS 13028 1.500 LBS 13021 7.500 LBS 12022 1.000 GL 12022 1.000 GL 12022 1.000 GL 12024 1.500 GL 12025 1.000 GL 12358 1.500 GL 12358 1.500 GL 12359 1.000 GL 12359 1.000 GL 12351 1.500 GL 12351 1.500 GL 12352 1.000 GL 12353 1.000 GL 12353 1.000 GL 12354 1.000 GL 12355 1.000 GL 13356 1.000 GL 13356 1.000 GL 1335 1.000 GL 13365 1.000 GL 1336 1.000 GL 1336 1.000 GL 1346 1.200 GL 1346 1.200 GL
	12976 12976 13028 13028 13021 11415 13021 13021 13021 12109 11348 11344 11348 12144 11348 12144 11106 12102 12102 12102 12102 12102 12102 12102 12102 12102 12102 12102 12103 12103 12113
	24216 A 25621 A 25622
	8010005843150 8030009156123 8030009156123 8030009156123 8030009166123 8030009166123 8030009166123 8030009166239 8030009166239 803000100289665 8030005774623 8030005774623 8030005774623 8030001818079 8030002801751 8030002801751 8030002801751 8030002801751 8030002801751 8030002801751 8030002801751 8030002801751 8030002801765 80300011879820 8030001287546 8030001287546 8030001287546 8030001287546 8030001287546 8030001287546 8030001287546 8030001287544 8030001287546 8030001287546 80300012867887 8030002905141 8030002805141 8030002805141 8030002805141 8030002805141 8030002805141 8030002805141 8030002805141 8030002805141 8030002805141 8030001886789 8030001886789 8030001886789 8030001886789 8030001886787418 8030002865435 8030002865435 8030002865435 8030002865435 8030002865435 8030002865435 8030002865435 8030002865435 8030002865435 80300028654361
COOK 1041/00/4 VARO TRIES OF	WHITE 37875 C-100 WHITE 37875 C-100 WHITE 37875 C-100 WHITE 37875 C-100 WHITE 37875 BY BAND GEN TRIM ADHESVE, PT 8 TAP MAGIC CUTTING FULID WD-40 SPRAY CANS 12 02. BUILDING: 615 SON-SURE WHITE PAINT, ENAMEL 8 SO-SURE WHITE PAINT, ENAMEL 8 SON-SURE WHITE PAINT, ENAMEL 8 BLACK 37030 ZENTHAME, MIL-C-530 8 REEN 25030 CONTING, ALIPH, PORYUR. 18 SON-SURE WHITE C-530 8 MIL-C-2530 EN FART A TOSO15, COATNG, ALIPH, PORYUR. 18 MIL-C-2530 EN FART A TOSO15, COATNG, ALIPH, PORYUR. 18 MATERIAL

4.000 0ZF 32.000 0ZF 20.000 0ZF 121.438 LBS 1.195 GL 2.000 0ZF	BARCODE NET USAGE 2013 48.000 0ZF 254 3.000 0ZF	BARCODE NET USAGE	2013 12.000 OZF BARCODE NET USAGE	1.000 OZF 258.397 LBS 18.000 OZF 1.719 GL 4.000 OZN 12.000 OZF	16.000 0.2F 3.962 GL 3.948 GL 16.705 GL 10.000 GL 2.000 LBS 5.590 GL 48.000 GZF 8.100 GZF	3.094 GL 7.513 OZN 32.000 OZF	2100.000 LBS 900.000 LBS 6601.008 LBS 14.100 OZF	7.513 OZN 7.513 OZN 42.000 OZF 20.000 GL 1.409 LBS		2.523 GL 34.508 GL 20.812 LBS 12.000 OZF 8.000 OZF
4263 4255 11416 11415 5277				12191 13240 8411 3863 3733 2011	11320 11321 11321 11371 8480 4467 1104 203	,.		12163 2510 2689 3371	2453 2186 6217	1375 11479 266 12226 12521
25670 A 33150 A 01139 A 04963 A 76381 A 4N258 A	CAGE PNI 56921 A 08589 A		56921 A	75297 A 05972 A 50999 A 61112 A 70279 A 28835 A	05972 A 62377 A 18241 A 72190 A 19139 C 97984 A 11.164 A 30253 A 30253 A		6J576 A 42568 XX 18260 A 70785 A			53984 A 94058 A 23894 A 16365 A 01139 A
8040002981946 8040008644318 80400008658991 804000700321 8040010382943 9150008237860	NSN 8030009381947 8030009996313	NSN	8030009381947	.43900001332 05972587-30 2910006469727 2910006469727 3439002554571 3439002522670	1555000440859 5330004792847 5330010386789 597007854098 6505002998095 6510000064206 6810002835670 68100028326570	6810002865435 6810004190634 6810005437415	6830001690800 6830002646755 6830005774623 1 6830005843041 6850001862963	6850003577926 6850005709360 685000551291 6850007822740	\$ 6850007822740 6850008237861 6850008807616 6850008807416	
C-111, ADHESIVE, RUBBER BASE 8 N-1051 MMM-A-1617 TYPE 2 STV-103 ADHESIVE SEALANT STM BRAND GEN TRIM ADHESVE, PT 8 CATERPILLAR CEMENT #5H2CVF 5 SILICONE LUBRICATING CMPD 5 BUIILDING: 647	MATERIAL WD-40 LEAK LOCK	BUITLDING: 69 1	WD-40 BUIILDING: CMF MATERIAL	1587 ROSIN FLUX SUPERFLEX ULTRA BLUE SILICON JET-START FAST FLASH FUEL, NO QUICK START DIESEL STARTING ALLEN SOLDER PASTE HOBART 10 AMS A5.1 CLASS E60	AVIATION FORMAGASKE! #5;11EM S CAT CEMENT 7M7260(BEF JAN 83 5 HIGH TACK SPRAY-A-GASKE7/800 5 CLYPTAL 1201A RED INSULATING 5 ISOPROPYL ALCOHOL, ANHYDROUS 6 191 9042, FLEXICOLOR DEVELOPE 6 ETHYLENE GLYCOL, TECH 6 MITRIC ACID(36-43 DEG BE/52-6 METHYL EFHYL KETONE	ISOPROPYL ALCOHOL, ANHYDROUS CCA-412 SDA-3A,190 PROOF DENATURED A	OXYGEN-REFRIGERATED LIQUID. ACETYLENE, ETHYNE NITROGEN BERNZOMATIC PROPANE CYLINDER IFAK-TEC 16-OX (TYPE I)	DUBL-CHEK DP-40 DYE PENETRAN CLEANING & LUBRICATING COMPO METAL CONDITIONER I D100 DEVELOPER & D350 DEVELO	SKC-NF/ZC-7 CLEANER (PRE 1/8 6) HOTSHOT STARTING FLUID;#65-1 6, RTV-108 ADHESIVE SEALANT 65-24, SII TONE GEFASE COMPOIN	7100L SOLVENT DEGREASER, FED SPEC O N/A LAYOUT FLUID RTV133 SILICONE RUBBER
2. 173 GL 2. 167 GL 3. 90 G 9. 379 GL 0. 800 OZF 4. 808 LBS 3. 813 GL 5. 600 GL		0.000 GL 1.750 LBS 1.172 GL 4.000 OZF 2.000 OZF 1.360 GL	0.000 GL 4.000 GL 2.000 GL 8.000 GL 5.000 GL		0.500 02F 2.000 02F 0.500 02F 7.054 02N	USAGE	1.620 02F 2.000 02F 4.000 02F 0.165 LBS 4.000 LBS		0.000 GL 1.000 GL 5.250 GL	3.150 LBS 8.000 02F 6.000 02F 0.034 02F
2.173 2.167 95.000 3.986 129.379 100.800 4.808 3.13.843 3.13.840	4444.770 4.000 64.000 150.000 1.750 20.000	110.000 1.750 1.172 64.000 12.000 591.360	1320.000 4.000 55.000 12.000 18.000 165.000 4.219	5.165 DE NET USAGE	10.500 22.000 10.500 7.054	E NET US	91.620 12.000 64.000 2700.165 414.000	60.000 2.250 33.000 2.578	10.000 31.000 16.250	33.150 68.000 36.000 0.034 20.000
A 11416 2.173 A 12043 95.000 A 3423 95.000 A 11415 129.379 A 11128 1.800 A 12170 4.808 A 6097 789.690	A 5366 4444,770 A 11390 4.000 A 2281 64.000 A 11492 150.000 A 11508 1.750 A 12096 20.000	A 12347 110.000 A 5156 1.750 A 6251 1.72 A 5967 64.000 A 12094 12.000 A 5020 591.360	A 6059 1320.000 A 11485 4.000 A 11323 55.000 A 11395 12.000 A 11397 18.000 A 11506 165.000 A 12131 4.215	A 11479 5.105 PNI BARCODE NET USAGE	61 10.500 4 22.000 8 10.500 64 7.054	PNI BARCODE NET US	12968 91.620 12965 12.000 2191 64.000 11380 2700.165 11381 414.000	A 6642 60.000 A 12062 2.250 A 12971 33.000 A 2294 2.578	12053 10.000 890325 31.000 2038 16.250 815 1 000	A 12040 33.150 A 12005 68.000 A 2013 36.000 A 11519 0.034 A 582 20.000
01139 A 11416 2.173 01139 A 11129 2.167 0KND3 A 12043 95.000 76381 A 3423 3.98. 04963 A 11415 129.379 62377 A 11582 100.800 17529 A 12770 4.808 76381 A 11128 3.813 01326 A 5113 312.840	01326 A 5366 4444.770 2X769 A 11390 4.000 2F436 A 2281 64.000 3V856 A 11492 150.000 1V074 A 11508 1.750 9N579 A 12096 20.000	150003972855 29700 A 12347 110.000 150007542595 07950 A 5156 1.750 1.750 150008237860 99800 A 6251 1.172 1.172 1.070015008237860 92381 A 5967 64.000 150007614 54527 A 12094 12.000 150010355394 01326 A 5020 591.360	9150010355396 14392 A 6059 1320.000 9150010536688 07950 A 11485 4.000 9150010546453 07950 A 11325 55.000 9150011029455 01139 A 11397 18.000 9150011977691 60226 A 11506 165.000 9150011977691 912131 4.219	74050 A 11479 5.105 CAGE PNI BARCODE NET USAGE	A 11961 10.500 A 2294 22.000 A 4598 10.500 A 12164 7.054	CAGE PNI BARCODE NET US	A 12968 91.620 A 12965 12.000 A 2191 64.000 A 11380 2700.165 A 11381 414.000	81348 A 6642 60.000 SUNMA A 12062 2.250 33338 A 12971 33.000 59986 A 2294 2.578	A 12053 10.000 A 890325 31.000 A 2038 16.250 A 815 1 000	09137 A 12040 33.150 31285 A 12005 68.000 5621 A 2013 36.000 60833 A 11519 0.034 31711 A 582 20.000

	.S.S	W
	12043 1.756 GL 11586 1.250 LBS 11582 1.125 GL 1128 960.363 GL 11410 660.000 GL 12147 2035.000 GL 12147 2035.000 GL 12147 2035.000 GL 12195 2.000 GL 12096 55.000 GL 12097 24.000 GL 12097 24.000 GL 12010 02F 12010 02F 12010 02F 12010 02F 11323 GL 11323 GL 11323 GL 11323 GL 11323 GL 11323 GL 11324 GL 11325 GL 11326 GL 11327 GL 11327 GL 11327 GL 11327 GL 11327 GL 11327 GL 11327 GL 11327 GL 113284 GL 113284 GL 11329 GL	10.000 GL 3750.0019 LBS 70.000 GL 15.000 GL 30.000 GL
		12103 11349 11354 11354 11986
1	0KND3 A 01139 A 62377 A 33331 A 56531 A 56563 A 07750 A 07750 A 07750 A 07750 A 07750 A 01726 A 01732 A	86511 A 33333 A 33333 A 01882 A 001196 A 09225 A
A Company of the Comp	804008779872 8040009381535 80400000350 80400013503 80400110208 9150001110208 9150001491593 9150001896729 9150001912772 9150001912772 9150001912772 9150001912772 9150001912773 9150001912773 9150001917455 915000987733 915001155419 915001155419 915001155419 915001155419 915001155419	6810002865435 6830005774623 8010001818079 8010011879820 80100112297547
	#5HZ471 #5HZ471 #1011: COUNT: CO	ISOPROPYL ALCOHOL NITROGEN (7727-97-9) MIL-T-81772A (AS) THINNER, A 8 HEAT RESISTANT BLACK, 4279 8 HEAT
	PSI-601 SILICONE SI HIGH TACK SUPER ADI HYLCHARR PL32 HEAVY HYLCHARR PL32 HEAVY HYLCHARR PL32 HEAVY HYLCHART MIL-L-21260; JOU; OGOLD MEDAL BRERK-IN MIL-L-21260; GRADE GREASE, AUTONITREE HYDRAULIC FLUID CASTOR OIL AA STD LUBRIPLATE "105" HYDRAULIC FLUID CASTOR OIL AA STD HUR AA STD H	ISOPROPYL ALC NITROGEN (772) MIL-T-81772A MIL-T-81772A PRIMER, EPOXY 383GREN ZENI
	3.000 02F 64.000 02F 90.000 02F 1.665 GL 3.000 GE 2.438 GE 2.638 GE 1.593 GL 1.593 GL 1.593 GL 1.590 GL	142.000 GL 145.000 GL 16.140 02N 16.140 02N 16.145 02F 17.453 02F 17.556 GL 12.375 LBS 1.275 LBS 1.275 LBS 1.275 LBS 1.275 LBS 1.275 LBS 1.275 LBS 1.277 GL 1.277 GL 1.278 GL 1.277 GL 1.
	12218 12341 12140 12140 12140 12193 13265 11966 11055 12012 1347 1134 1134 1134 1134 11163 11163 11163 11163 11163 11163	
	05972 A 08028 1	0,5729 AX 0,05729 AX 0,05729 A 0,0572 A
	665000F002042 665000F002042 665000N003007 66500N003007 66500N003007 7510004697910 7510004697910 7510001605783 8010001605788 8010001605788 8010001605788 8010001605788 8010001605788 8010001605788 8010001605788 801000580458 801000580458 801000580458 8010008998825 8010008998825 8010008998825 8010008998825 80100018297541 8010012297541 8010012297541	8030000812339 8030000812339 8030002812340 8030002812340 8030002812340 8030008384789 8030008384789 803000808387789 803000808387789 803000809365940 8030006000364 8030006001364 8030006001364 8030006001364 8030006001364 80300010551692 8030010551692 8030010561692 8030010561692 8030010561692 8030010561692 8030010561692 80300110561692 80300110561692 80300110561692 80300110561692 80300110561692 80300110561692 80300110561692 80300110561692 80300110561692 804000258454 804000258454 804000258454
	TTEFLON TARNISH REMOV 6 LJELLY RUST D 6 REMOVER (AEROS 6 TENP RED SILI 6 TENP RED SILI 6 TENP RED SILI 6 TENP RED SILI 6 THE BLACK 37 7 THE BLACK 37 7 THE BLACK 37 7 THE BLACK 37 7 THE BLACK 1701B P THOUSE CELLUL 8 THOUSE AND	GRADE A GRADE B GRA
	TI WERE THE THE THE TREE THE THE THE THE THE THE THE THE THE T	CW883, GRADE TB 1361(A), RED, GRADE A TB 1361(A), RED, GRADE A GRADE AA, GREGE AA, GREGE AA, GREGE AA, GREGE AA, GREGE AA, GREGE ACOUNTE GRADE A GREGE ACOUNTE ACOUNTE AND TO A GREGE COMPOUND WD-40 SPRAY CANS 12 02 DOW CORNING 730RTV FLUOROSIL SCOTCHAL BRAND EDGE SEALER 3 WD-40 SPRAY CANS 12 02 MD-40 SPRAY CANS 12 02 MD-40 SPRAY CANS 12 02 MD-40 SPRAY CANS 12 02 MD-50 STILICONE FORM-A-GASKET BAD GORNING 730RTV FLUOROSIL SCOTCHAL BRAND EDGE SEALER 3 WD-40 SPRAY LC LATEK CAULK W/SI SUPERFLEX ULTRA BLUE, SILICONE ROYLUS SILICONE FORMAGASKE REWA-LOK LHO50 GOODWRENCH CLEAR RTV SILICON GOODWRENCH CLEAR RTV SILICON GOODWRENCH CLEAR RTV SILICON ROYLUS SM SUPER 74 FOAMFAST ADHESIV PLIOBOND 20 SRYVIOS SILICONE SEALANT SCOTCHGRIP 1357 ADHESIVE (H1 SCOTCHGRIP 1357 ADHESIVE (H1 SCOTCHGRIP 1357 ADHESIVE SEALANT
	PIPE SEALA NJ-2 DURO N NJ-2 DURO N NJ-2 DURO N SCHISEL GASI SO-SURE STEN MIO-MEGUIA 266C, COMPOI THINNER DOF THINNER DOF THINNER DOF THINNER DOF THINNER AIR 03-8K-28 B MIL-T-81770 MIL-T-81770 MIL-T-81770 OSHA DEFTHANE RED #11777 OSHA DEFTHANE RED #11777 OSHA DEFTHANE RED #11757 OSHA DEFTHANE SO-SURE WHI TI-P-1757 OSHA DEFTHANE SO-SURE WHI TI-P-1757 OSHA DEFTHANE SO-SURE WHI TI-P-1757 OSHA DEFTHANE SO-SURE WHI TI-P-1757 OSHA DEFTHANE TI-P-1757 OSHA TI-P-1757	COTTE G GRADE - A-GA FORM-A-GA FORM-A-GA FORM-A-GA FORM-A-GA FORM-A-GA FORM-A-GA BOOD ST BOOD

APPENDIX B
RESULTS OF FEDERAL DATABASE SEARCH

EPA REGION VIII

ZIP CODE 84074

CERCLIS PRINTOUT

KEY TO ABBREVIATIONS USED ON CERCLIS SITE/EVENT LISTING (L-8)

REMEDIAL ACTIVITIES (ALL LEADS)

- CO COMBINED RI/FS
- CR REMEDIAL COMMUNITY RELATIONS
- COMMUNITY RELATIONS TECHNICAL ASSISTANCE
- DA DESIGN ASSISTANCE
- EO ENFORCEMENT DECISION DOCUMENT (EDD)
- ER EXPEDITED RESPONSE ACTION
- FP FORWARD PLANNING ACTIVITY (FOR HISTORICAL PURPOSES ONLY)
- FS FEASIBILITY STUDY
- IM INITIAL REMEDIAL MEASURE (FOR HISTORICAL PURPOSES ONLY)
- LR LONG-TERM RESPONSE
- NA NO ALTERNATIVE ACTION (NAA)
- ND NPL DELETION PROCESS
- OM OPERATIONS AND MAINTENANCE
- PD PUBLIC COMMENT ON DELETION PACKAGE
- RA REMEDIAL ACTION
- RD REMEDIAL DESIGN
- RI REMEDIAL INVESTIGATION (FOR HISTORICAL PURPOSES ONLY)
- RM RAMP REMEDIAL ACTION MASTER PLAN (FOR HISTORICAL PURPOSES ONLY)
- RO RECORD OF DECISION (ROD) SIGNED
- TG COMMUNITY RELATIONS TECHNICAL ASSISTANCE GRANTS
- TS REMEDY EVALUATION
- WP RI/FS WORKPLAN APPROVED BY HEADQUARTERS

SITE/INCIDENT EVALUATION/DISPOSITION OTHER EVENTS

DS	DISCOVERY	AR	ADMINISTRATIVE RECORD
ES	LISTING SITE INSPECTION	AS	AERIAL SURVEY
HR	FINAL HAZARD RANKING DETERMINED	ED	ENDANGERMENT ASSESSMENT
NF	FINAL LISTING ON NPL	EV	EVACUATION STATE/LOCAL
NP	PROPOSAL TO NPL	GS	GEOPHYSICAL SUPPORT/MAPPING
NR	REMOVED FROM PROPOSED NPL	HA	HEALTH ASSESSMENT
PA	PRELIMINARY ASSESSMENT	MA	MANAGEMENT ASSISTANCE
SE	SITE ACCESS	OH	OTHER EVENT (SPECIFY)
SI	SCREENING SITE INSPECTION	os	OVERSIGHT OF STATE BY FUND
		TA	TECHNICAL ASSISTANCE
		TO	TOPOGRAPHICAL MAPPING
		\mathtt{TR}	TEMPORARY RELOCATION

REMOVAL ACTIVITIES (ALL LEADS)

- IR IMMEDIATE REMOVAL
- PR PLANNED REMOVAL
- RC REMOVAL COMMUNITY RELATIONS
- RS REMOVAL INVESTIGATION AT NPL SITES
- RV REMOVAL ACTION
- UR UNDERGROUND STORAGE TANK REMOVAL

CERHELP DATA BASE DATE: N/A CERHELP DATA BASE TIME: N/A			ACTUAL ACTUAL CURRENT START COMPL CURRENT DATE DATE	03/18/85 EPA (FUND) 05/18/87 EPA (FUND)	10/01/84 EPA (FUND) 03/01/84 EPA (FUND) 12/01/84 STATE (FUND) 09/04/84 EPA (FUND)	11/01/79 EPA (FUND) 11/28/79 EPA (FUND) 03/12/91 EPA (FUND)	09/27/91 FED. FAC. 09/21/93 FED. FAC. 09/21/93 FED. FAC.	08/01/80 EPA (FUND) 10/01/87 STATE(FUND) 08/31/87 STATE(FUND) 07/06/92 EPA (FUND)	01/03/86 03/03/86 RESP. PARTY 05/20/91 04/15/92 RESP. PARTY 05/20/91 04/15/92 FPA (FUND) 11/21/83 EPA (FUND) 10/18/90 10/22/90 EPA (FUND)	06/01/81 EPA (FUND) 06/30/86 EPA (FUND) 06/30/86 EPA (FUND) 09/16/92 EPA (FUND)
** PROD VERSION ** U.S. EPA SUPERFUND PROGRAM LIST-8: SITE/EVENT LISTING			OPRBLE EVENT EVENT UNIT TYPE QUAL	00 DS1 NFA	00 DS1 PA1 NFA SI1	OO PAI SI11	00 DS1 NFA SI1 NFA	OD DS1 PA1 NFA PA3 NFA	OO RV2 RV2 PA1 SI11 AR1	00 DS1 PA1 SI1 NFA
53 /30/83 7:20:25	** SPECIAL ** SITE NAME	-1	SITE NAME SIREET CITY CODE AND NAME COUNTY CODE AND NAME	AMER. CONSOLIDATED MINING CLIFTON SITE SE OF MONTEZUMA PK/NR CLIFTON CLIFTON 045 TOOELE	ANACONDA COPPER CO - CARR FORK OPER 5 MI SE OF TOOELE TOOELE 045 TOOELE	BLACKHAWK RESIN AND CHEMICAL CO. P.O.BX 383(NR TOOELE ARMY DPT) BAUER 045 TOOELE	BLM - MERCUR CANUON OUTWASH HIGHWAY 73, EAST OF TOOELE ARM TOOELE 045 TOOELE	HERCULES INC/TEKOI TEST RANGE SKULL VLY GOSHUTE RSRVTN 3MI W TOOELE 045 TOOELE	MICRONUTRIENT INTL INC 1 MI E HWY 36, BATES CANYON RD ERDA 045 TOOELE	STANSBURY ISLAND ACID DUMP STANSBURY IS-21 MI NW OF GRANTSVILLE GAS TOOELE
RUN DATE: 12/01/93 16:44 CERCLIS DATA BASE DATE: 1: CERCLIS DATA BASE TIME: 1: VERSION 3.00	SELECTION: ** SEQUENCE: SI	EVENTS: ALL	EPA ID NO.	UTD980959332	UTD093120921	UTD980960082	UT1141193002	UTD070020110	UTD000710772	UTD980635155

CERHELP DATA BASE DATE: N/A CERHELP DATA BASE TIME: N/A	ACTUAL ACTUAL CURRENT START COMPL CURRENT DATE EVENT LEAD	08/01/84 FED. FAC. 10/10/184 FED. FAC. 10/10/184 FED. FAC. 10/15/84 FED. FAC. 12/31/91 02/27/90 STATE (FUND) 12/31/91 10/01/91 EPB. FAC. 02/27/90 STATE (FUND) 12/31/91 10/01/91 EPB. FAC. 02/92 FED. FAC. 01/02/92 FED. FAC. 01/02/93 FED. FAC.	12/05/84 FED. FAC. 01/05/85 FED. FAC.
** PROD VERSION ** U.S. EPA SUPERFUND PROGRAM ** C.E.R.C.L.I.S.** LIST-8: SITE/EVENT LISTING	OPRBLE EVENT EVENT UNIT TYPE QUAL	8 2 2 4889865 8 2 4889865 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	OO DS1
RUN DATE: 12/01/93 16:44:53 CERCLIS DATA BASE DATE: 11/30/93 CERCLIS DATA BASE TIME: 17:20:25 VERSION 3.00 SELECTION: ** SPECIAL ** SEQUENCE: SITE NAME	SITE NAME STREET CITY COUNTY CODE AND NAME CONG DIST.	UT3213820894 TOOELE ARMY DEPOT (NORTH AREA) 3 MI S OF TOOELE ON HWY 36 TOOELE OGS TOOELE	UT5210090002 TOOELE ARMY DEPOT - SOUTH AREA STATE HIGHWAY 36 TOOELE 045 TOOELE

EPA REGION VIII RCRIS NOTIFIERS LIST

REPORT DATE 12/03/93	RCRIS	NOTIFIERS LIST	GEN = GENER TRN = TRANSI B/B = BURNEI	ATOR: 1=LOG PORT TSD: R/BLENDER (S-STORE I-11 USED OIL/HA	GENERATOR: 1=LQG 2=SQG 3=VSQG TRANSPORT TSD: S=STORE I=INCIN D=DISPOSE BURNER/BLENDER (USED OIL/HAZ WASTE FUEL)
FACILITY ID PHONE NUM	FACILITY NAME CONTACT	MAIL STREET LOCATION STREET	MAIL CITY LOCATION CITY	ST MZIP ST LZIP	2mz -xx -x0 -x0	COUNTY DATE NOTIFIED
UTD093120921	ANACONDA MINERALS CO (CARR FORK	RFD #1 BOX 79	TOOELE	UT 84074	8	TOOELE
8018821431	GLENN,M,EVRICK OPER ENV	5 MILES SE TOOELE UTAH	TOOELE	UT 84074		08/18/80
UTD981542079	BILL ANSELMI INC	44 E. 1ST N.	TOOELE	UT 84074	8	T00ELE
8018825618	JOE, HOWELAR, PTS. MGR.	44 E. 1ST N.	TOOELE	UT 84074		09/29/86
UTD988077616 8018821273	BOB'S GARAGE & DIESEL INC. JOHNSON, BOB, PRESIDENT	1685 NORTH PROGRESS WAY 1685 NORTH PROGRESS WAY	TOOELE TOOELE	UT 84074 UT 84074	8	TOOELE 10/01/92
UTD989070066	BROKEN ARROW ENVIROMENTAL INC	PO BOX 580	TOOELE	UT 84074	×	TOOELE
8018823942	BUNN, STEPHEN-G, PRESIDENT	165 SOUTH MAIN	TOOELE	UT 84074		01/08/91
UTD988071049 8012505298	CHEVRON USA - 72862 RODNEY THOMP THOMPSON, RODNEY, STATION DEALER	8793 NORTH HWY 40 8793 NORTH HWY 40	LAKEPOINT	UT 84074 UT 84074	8	T00ELE 04/22/91
UTD988070157	CONDISCO	PO BOX 569	TOOELE	UT 84074	×	TOOELE
8018823718	WHITE, ELLIS, GENERAL MANAGER	995 NORTH MAIN ST	TOOELE	UT 84074		01/24/91
UTD981543036	EKONOMY CLEANERS	132 NORTH MAIN	TOOELE	UT 84074	-	T00ELE
8018826150	KROFF, RICHARD, MGR.	132 NORTH MAIN	TOOELE	UT 84074		10/02/86
UTD988074324	ENVIRONICS INC	PO BOX 668	TOOELE	UT 84074	×	TOOELE
8013330902	HUMKE, LEROY, MANAGER	1275 NORTH MAIN	TOOELE	UT 84074		01/06/92
UTD980718332 8012684447	GETTY MINERAL RES CO-MERCUR MINE EURICKGLENN ENV/HLT	P O BOX 838 MERCUR CANYON-SEC 5,7 T6S	TOOELE TOOELE	UT 84074 UT 84074	8	T00ELE 09/09/83
UTD980961510	GLEN'S EXCAVATING & GRADING INC.	1830 W HWY 112 P.O. BOX 4	TOOELE	UT 84074	×	TOOELE
8013221139	HIGGINS, LEON, EQUIP. MGR.	1830 WEST HIGHWAY 112	TOOELE	UT 84074	ø	06/30/86
UT2210090021	HERCULES BACCHUS - TOOELE ARMY D	HERCULES BACCHUS WORKS BO	MAGNA	UT 84044	-	TOOELE
8012515480	C.V., CHACHAS, MANAGER	ROUTE 36	TOOELE	UT 84074		05/04/87
UTD980666721	IRECO INC	SEVENTH FLOOR KENNECOTT B	SALT LAKE CITY	UT 84133	s	TOOELE
8013644800	TAYLOR, ROBERT, G.		FAIRFIELD	UT 84074	×	07/07/82
UTD980954796	MCFARLAND AND HULLINGER	P 0 BOX 238	TOOELE	UT 84074	×	T00ELE
8018820103	HULLINGER, SIDNEY, PARTNER	915 N MAIN ST	TOOELE	UT 84074		08/21/85
UTD988078127 8018825263	MTA AUTO BODY NORWOOD, MARK, OWNER	635 WEST MAIN 635 NORTH MAIN	TOOELE	UT 84074 UT 84074	×	T00ELE 01/15/93
UTD102570249	NU CLEANERS	53 EAST VINE	TOOELE	UT 84074	m	TOOELE
8018822963	GEORGE, CLOYD, OWNER	53 EAST VINE	TOOELE	UT 84074		10/02/86
UTP000000045 8012202989	PLEASANT GROVE AUTOMOTIVE SHOP TUCKER, JEFF, ENV. ENG.	995 SOUTH MAIN STREET 1830 WEST HIGHWAY 112	PLEASANT GROVE TOOELE	UT 84062 UT 84074	-	T00ELE 09/05/93
UTD980959092	REF. PREC METALS, AFF MET ENG CO	1325 FLINDERS STREET	T00ELE	UT 84074	-	TODELE
9018828225	CLARK, D., RICHARD ENG.	1325 FLINDERS STREET	T00ELE	UT 84074		03/15/86

REPORT DATE 12/03/93 PAGE 2	_,	RCRIS NOTIFIERS LIST	GEN - GENE TRN - TRAN B/B - BURN	= GENERATOR: 1=LQG 2=SQG 3=VSQG = TRANSPORT TSD: S=STORE I=INCIN D=DISPOSE = BURNER/BLENDER (USED OIL/HAZ WASTE FUEL)	3=VSQG =INCIN D=DISPOSE HAZ WASTE FUEL)
FACILITY ID	FACILITY NAME	MAIL STREET	MAIL CITY	ST MZIP ER S	B COUNTY
PHONE NUM	CONTACT	LOCATION STREET	LOCATION CITY	ST LZIP NN D	B DATE NOTIFIED
UTD089326805	SALT LAKE CITY 76 AUTO TRUCK	I-80 LAKEPOINT ROAD	T00ELE	UT 84074 2	T00ELE
8012505833	PARKER, JACK, VICE PRES.	I-80 LAKEPOINT ROAD	T00ELE	UT 84074	03/23/88
UT3213820894	TOOELE ARMY DEPOT (NORTH)	TOOELE ARMY DEPOT	TOOELE	UT 84074 1 X SID	TOOELE
8018332891	FISHER, LARRY, ENV COORDINATOR	3 MI S OF TOOELE ON HWY 3	TOOELE	UT 84074	08/18/80
UT5210090002	TOOELE ARMY DEPOT (SOUTH)	TOOELE ARMY DEPOT	TOOELE	UT 84074 1 SI	TOOELE
8018332891	LARRY, FISHER, ENV COORDINATOR	STATE HIGHWAY 36		UT 84074	08/24/81
UTD072961980	TOOELE CITY CORPORATION	90 NORTH MAIN	T00ELE	UT 84074 2	T00ELE
8018828133	DUNLAVY, PAT, RECORDER	90 NORTH MAIN	T00ELE	UT 84074	12/15/89
UTD084650249	TOOELE CO HLTH & HUMAN SERVICE	47 SOUTH MAIN STREET	T00ELE	UT 84074 2	TOOELE
8018825550	DALTON, GARY, DIR.	47 SOUTH MAIN STREET	T00ELE	UT 84074	06/16/86
UTD980635890 8012522000	USPCI LAKE POINT TERMINAL WILLIAMS, AL, WESTERN HUB MGR	8960 NORTH HIGHWAY 40 8960 NORTH HIGHWAY 40	LAKEPOINT	UT 84074 2 UT 84074	TOOELE 12/04/81
UTD988071833	UTD988071833 USPCI LEASED WAREHOUSE	8960 NORTH HWY 40	LAKE POINT	UT 84074 2	T00ELE
8012522000	8012522000 JOHNSON:KIMBALL.CONS COORD	272 NORTH BROADWAY	TOOELE	UT 84074	06/24/91

EPA REGION VIII

ZIP CODE 84074

FINDS LIST

PGM : FR2411P1 PAGE:

REPORT SELECTION CRITERIA

Status
ZIP Codes : 84074
Sort Sequence : FACILITY-ADDRESS FACILITY-NAME

System PROGRAM OFFICE TABLE Code Acronym

EVEN TRÁCKÍNG SYSTEM SIVÉ ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY INFO SYSTEM 17 DOCKET SYSTEM LIJETING CONSERVATION RECOVERY ACT INFORMATION SYSTEM MAPLIANCE SYSTEM RESOURCE CONSERVATION RECOVERY ACT INFORMATIVE SYSTEM
AIRS FACILITY SYSTEM
SECILITY SYSTEM
SECILITY SYSTEM
SECILITY SYSTEM
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENDATIONAL COMPLIANCE DATA BASE
ENFORCEMENT DOCKET SYSTEM
CONTRACTOR LISTING
CONTRACTOR ACTIVITY DATA SYSTEM
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM
TOXIC CHEMICAL RCRIS PCS AFS/AIRS SSTS/AIRS CERCLIS FITS/NCDB CONTRETIS CRIM DOCKE CICIS STATE PADS DUNS

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PGM : FR2412P1 PAGE: 1	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY FACILITY INDEX SYSTEM FACILITY INDEX RELATED SYSTEMS REPORT	12/02/83 17:51:44
Facility	System(s) D&B	
UTTOOOS43841 CHEVRON USA INC TOOELE END OF VINE ST BY RR TOOELE, UT 84074	10	
UTD98076113 B & A ASSOCIATES HMY 36 TOOELE, UT 84074	03	
UT1141193002 BLM WERCUR CANYON OUTWASH HWY 73, EAST OF TOOELE ARMY DEPOT TOOELE, UT 84074	90	
UTD988076097 HILL BROS CHEMICAL I 80 RAWLEY EXIT TOOELE, UT 84074	03	
UTD988072658 APTUS I 80 W EXIT 56 ARAGONITE, UT 84074	03.06	
UTD089326805 SALT LAKE AUTO TRUCK PLAZA I-80 LAKEPOINT ROAD TOOELE, UT 84074	10	
UTD980718332 GETTY MINERAL RES CO-MERCUR MI MERCUR CANYON-SEC 5,7 T6S R3W TOOELE, UT 84074	01.02.07	
UTD981552912 LITTLE MOUNTAIN QUARRY NEAR THE CITY OF GIANTS TOOELE, UT 84074	5	
UTD991301748 USPCI GRASSY MOUNTAIN FACILITY AKA PPM I SEC 16: T 1 N: T 12 W TOCELE, UT 84074	01.03.07,15,17	

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PGM : FR2412P1 PAGE: 2	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY FACILITY INDEX SYSTEM FACILITY INDEX RELATED SYSTEMS REPORT	
Facility	System(s)	D&B
UTD882595795 USPCI CLASSEN CTR STE 400 S SEC 36 T15 R12W TOOELE, UT 84074	01,15	
UTD980635155 STANSBURY ISLAND ACID DUMP STANSBURY ISLAND TOOELE, UT 84074	80	
UTD98076816 SOLAR ALUMINUM TECH SERV TIS RIW SEC 21 WENDOVER, UT 84074	80	
UTDOOO710772 MICRONUTRIENT INTERNATIONAL IN 1 MI E HWY 36 BATES CANYON RD 100ELE, UT 84074	01,05,07	
UTD98074324 ENVIRONICS INC 1275 NORTH WAIN TOOELE, UT 84074	10	
UTD981543036 EKONOMY CLEANERS 132 NORTH MAIN TOOELE, UT 84074	10	09
UTD980959092 REF PRECISION WETALS/AAF WETAL 1325 FLINDERS STREET TOOELE, UT 84074	01.03	
UTD988068318 AZKO SALT OF UTAH 1428 HARDY ROAD LAKEPOINT, UT 84074	03,17	
UTDO89320527 LAKE POINT SALT COMPANY 1428 HARDY ROAD LAKEPOINT, UT 84074	02	

PGM: FR2412P1 PAGE:	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY FACILITY INDEX SYSTEM FACILITY INDEX RELATED SYSTEMS REPORT	12/02/93 17:51:45
Facility	System(s) Di	D&B
UTD888070066 BROKEN ARROW ENVIROMENTAL INC 165 SOUTH WAIN TOOELE, UT 84074	09 00	Q
UTD986077616 BOB S GARAGE & DIESEL INC 1685 N PROGRESS WAY 100ELE, UT 84074-9554	5	
UTD988068680 GLENS EXCAV & GRDNG 1830 W HIGHWAY 12 TOOELE, UT 84074-0000	99	Q
UTD980961510 GLENS EXCAVATING & GRADING INC 1830 WEST HIGHWAY 112 TOOELE, UT 84074	60,103	Q
UTD989072963 TOOELE BAPTIST 224 E 3RD N TOOELE, UT 84074	8	
UTD988071833 USPCI LEASED WAREHOUSE 272 N BROADWAY TOOELE, UT 84074	5	
UTD988076105 ENGLAND CONSTRUCTION INC 281 N MAIN TOOELE, UT 84074-1651	09	Q
UTD988067294 U S POLLUTION CONTROL INC. GRAYBACK MOUN 3 MJ E 7 MJ N OF HWY 41 OFF I 80 KNOLLS, UT 84074	06,17	
UT3213820894 TOOELE ARMY DEPOT NORTH 3 MI S OF TOOELE ON HWY 36 TOOELE, UT 84074	01,03,05,07,11,15	

PGM : FR2412P1 PAGE: 4	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY FACILITY INDEX SYSTEM FACILITY INDEX RELATED SYSTEMS REPORT	12/02/93
Facility	System(s) D&B	
UTD988072872 PPM INC 337 S 400 W TOOELE, UT 84074	8	
UTD981542079 ANSELMI, BILL INC. 44 EAST 1ST NORTH TOOELE, UT 84074		
UIDO94650249 TOOELE HEALTH & HUMAN SERVICES 47 SOUTH MAIN STREET TOOELE, UT 84074	60	
UTDO93120921 ANACONDA MINERALS CO (CARR FOR 5 WILES SE TOOELE UTAH TOOELE, UT 84074	01.05	
UTD102570249 NU CLEANERS 53 EAST VINE TOOELE, UT 84074	8	
UTD988076717 FASSIO FARMS INC 5763 N DROUBAY RD ERDA, UT 84074	88	
UTD988074647 PPM INC 5960 N HWY 40 LAKEPOINT, UT 84074	8	
UTD960666721 IRECO CHEMICALS 6 MI S OF UT 73 AT 5 MILE PASS TOOELE, UT 84074	5	
UTD072961980 TOOELE CITY CORP 600 WEST 500 NORTH TOOELE, UT 84074	01.02	

PGM: FR2412P1 PAGE: 5	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY FACILITY INDEX SYSTEM FACILITY INDEX RELATED SYSTEMS REPORT	12/02/93 17:51:47
Facility	System(s)	D&B
UTD988078127 MTA AUTO BODY SHOP 635 N WAIN ST TOOELE, UT 84074-1609	9	09
UTD988072955 TOOELE SCHOOL DIST 30 66 WEST VINE TOOELE, UT 84074	8	09
UTD988068623 GLENS EXCAV & GRDNG 750 S MAIN TOOELE, UT 84074	8	
UTD980101778 LAKEPOINT IMPROV DIST 7773 NORTH CENTER LAKE POINT, UT 84074	7	
UTD968071049 CHEVRON USA 72862 RODNEY THOMPSON CHEVRO 8793 N HIGHMAY 40 LAKEPOINT, UT 84074	5	
UTDS88066379 PPM MOBILE TRMT UNIT SIX 8960 N HWY 40 LAKEPOINT, UT 84074	06,15	
UTD980954796 MCFARLAND AND HULLINGER 915 NORTH MAIN STREET TOOELE, UT 84074	01,07.15	09
UTD968070157 CONDISCO 995 NORTH MAIN ST TOOELE, UT 84074	01,15	8

PGM : FR2412P1

Facility

D&B

NUMBER OF RECORDS ON THIS REPORT -

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EPA REGION VIII

ZIP CODE 84074

ERNS LIST

EMERGENCY RESPONSE NOTIFICATION SYSTEM FOIA(8) RIN-1631-93 EPA REGION VIII DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH

NOTE: INITIAL NOTIFICATION ONLY - - UNVERIFIED DATA

Date Spilled: 09/12/80 ERNS Case #: 80378

County: TOOELE Date Spilled: 01/16/81

ERNS Case #: 81021 County: TOOELE Date Spilled: 07/23/81 ERNS Case #: 81318

County: TOOELE Date Spilled: 09/03/81 ERNS Case #: 81390

County: TOOELE Date Spilled: 03/05/82 ERNS Case #: 82129 County: TOOELE

Date Spilled: 10/13/82 ERNS Case #: 82485

County: TOOELE

Date Spilled: 12/06/82 ERNS Case #: 82570 County: TOOELE

Date Spilled: 06/21/83 ERNS Case #: 83460 County: **TOOELE**

Date Spilled: 10/26/83 ERNS Case #: 83646 County: TOOELE

Date Spilled: 03/04/84 ERNS Case #: 84164 County: TOOELE

Date Spilled: 03/07/84 ERNS Case #: 84179 County: TOOELE

Date Spilled: 04/05/85 ERNS Case #: 85229 County: TOOLE

Date Spilled: 06/21/85 ERNS Case #: 85402 County: TOOELE

Date Spilled: 08/19/85 ERNS Case #: 85556 County: TOOLE

Date Spilled: 10/29/85 ERNS Case #: 85722 County: TOOELE

Date Spilled: 01/01/86 ERNS Case #: 86292 County: TOOELE

Date Spilled: 07/20/86 ERNS Case #: 86464 County: TOOELE

Spiller: US ARMY Location:

City/State: , UT

Spiller: THOMSON TRUCKING INC

Location: City/State: , UT

> Spiller: TOOELE ARMY DEPOT Location: BLDG #659, 667 & 677

City/State: TOOELE, UT

Spiller: MT: WHEELER: BASIN POWER=CO:4:

Location: PARTOUN SCHOOL City/State: TROUT CREEK, UT

Spiller: METRO OIL COMPANY Location: METRO OIL TRUCK STOP City/State: WENDOVER, UT

Spiller: REIDER TRUCK LINES Location: I 80, UNION 76 TRUCK STOP City/State: TOOELE, UT

Spiller: PACIFIC INTERMTN EXPRESS Location: 7 MI S OF TEMPLE City/State: TOOELE, UT

Spiller: SANTA CLARA CIRCUITS WEST INC Location: 2 MI WEST OF CLOVER City/State: CLOVER, UT

Spiller: MATLOCK Location: NORTH OF TOOELE UT City/State: MURCUR, UT

Spiller: UNION PACIFIC RAILROAD Location: 89.0 RR MP

City/State: BURMEISTER, UT Spiller: UNION OIL CO

Location: I-80 & LAKE POINT INTERCHANGE City/State: TOOELE, UT

Spiller: GETTY MINING Location: 20 MI SE OF TOOLE City/State: , UT

Spiller: JAY HILL Location: City/State: TOOELE, UT

Spiller: MATLAC TRUCKING Location: I-80 MP33 City/State: , UT

Spiller: W.S. HATCH CO Location: I80, EXIT 41, 5.5 MILES NORTH OF EXIT

City/State: , UT

Spiller: U.S. ARMY Location: City/State: , UT

Spiller: Location: IRRIGATION DITCH TO POND

City/State: TOOLE CITY, UT

Material: POLYCHLORINATED BIPHENYLS

Quantity: 6200 Pounds

Material: GASOLINE Quantity: 9088 Gallons

Material: POLYCHLORINATED BIPHENYLS

Quantity: 1000 Pounds

Material: POLYCHLORINATED BIPHENYLS

Quantity: 2 Pounds

Material: NO. 2 FUEL Quantity: 3200 Gallons

Material: XYLENE Quantity: 1 Pounds

Material: NO. 2 FUEL Quantity: 50 Gallons

Material: AMMONIA Quantity: 0 Pounds

Material: SODIUM HYPOCHLORITE

Quantity: 21 Pounds

Material: AMMONIUM NITRATE

Quantity: 0 Pounds

Material: NO. 2 FUEL Quantity: 20000 Gallons

Material: NO. 2 FUEL Quantity: 5000 Gallons

Material: HWSO4/HVY METELS Quantity: 0 Pounds

Material: MAGNESIUM CHLORIDE

Quantity: 20000 Pounds

Material: KILN DUST-HAZ WASTE Quantity: 32000 Pounds

Material: NO. 2 FUEL Quantity: 6000 Gallons

Material: WATER BASED ASPHALT EMULS

Quantity: 500 Gallons

Quantity: 20 Pounds

Quantity: 10 Gallons

Material: MULTIPLE CHEMICALS, ACIDS ET .

EMERGENCY RESPONSE NOTIFICATION SYSTEM

EPA REGION VIII FOIA(8) RIN-1631-93

DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH

NOTE: INITIAL NOTIFICATION ONLY - UNVERIFIED DATA

Spiller: APHIS CONTACT SRAY PLANE Material: MALATHION Date Spilled: 07/04/86 Quantity: 0 Pounds ERNS Case #: 86469 Location: City/State: GOLD HILL, UT County: TOOELE Material: MAGNESIUM CHLORIDE Date Spilled: 07/21/86 Spiller: MATLACK TRUCKING Quantity: 4200 Gallons Location: EASTBOUND LANE AT MILE MARKER #50 ON I-8 ERNS Case #: 86501 County: TOOELE City/State: , UT Material: CARBON MONOXIDE Spiller: STATELINE CASINO Date Spilled: 08/19/86 Location: ON UT/NEV BORDER Quantity: 0 Pounds ERNS Case #: 86571 City/State: WENDOVER, UT County: TOOLE Material: PER CHLOROETHYLENE Date Spilled: 10/30/87 Spiller: U.S. ARMY Quantity: 4 Gallons ERNS Case #: 87713 Location: CARR FACILITY MATERIALS TEXTS DIRECTORA County: TOODE City/State: , UT Material: OTHER COAL DUST RESINS Spiller: BAIN DUMP/BLACK HAWK INC Date Spilled: Location: BAUR TAILINGS/BLACKHAWK RESING Quantity: Unknown ERNS Case #: 88125 County: TOOLE City/State: BAUR, UT Material: COAL DUST RESINS W/OTHER Spiller: HERCULES INC. BLACKHAWK RESIN) Date Spilled: 05/16/88 Quantity: 1 Pounds ERNS Case #: 88310 Location: W. OF HWY 36 5 MI S.W. OF TOOLE County: TOOLE City/State: TOOLE, UT Date Spilled: 06/17/88 ERNS Case #: 88390 Material: UNKNOWN Spiller: UNION PACIFIC R.R. Location: W. OF SLC-E. OF WINDOVER/MID OF DESERT City/State: CLIVE, UT Quantity: 30 Gallons County: TOOLE Material: OTHER (SPECIFY) Date Spilled: 06/27/88 Spiller: USPCI Quantity: 100 Gallons Location: TRAINTRACK NEAR HWY MIL POST 43 ON INTER ERNS Case #: 88440 County: TOOLE City/State: CLIVE, UT Material: CHLORIDE SOLUTION Date Spilled: 11/30/86 ERNS Case #: 88473 Spiller: TOOLEE ARMY DEPOT(SD STE-ELE) Location: SOUTH AREA/BLDG # 535 City/State: TOOLEE, UT Quantity: Unknown County: TOOLEE Material: PCB CONTAMINATED SOIL Spiller: JOE BROWN TRUCKING/DALE BROWN Date Spilled: 07/20/88 Quantity: 22 Tons Location: 10 MI N. OF CLIVE, UT. ON I-80 ERNS Case #: 88504 County: TOOELE City/State: , UT Material: NITRIC ACID Date Spilled: 09/02/88 Spiller: MAT LACK Location: MURCUR / ROAD TO MINE SITE Quantity: 25 Gallons ERNS Case #: 88620 City/State: MURCUR, UT County: TOOELE Material: FLAMABLE SOLVENT-FO012 CLASS Date Spilled: 11/15/88 ERNS Case #: 88787 Spiller: USPCI Location: 1 MI. S. OF CLIVE, MILE 49 I-80 Quantity: 10 Gallons City/State: WENDOVER, UT County: TOOELE Material: CLOROEHTELENE Spiller: DEPT. OF ARMY Date Spilled: 01/24/89 Location: DEPT. OF ARMY/DUGWAY PROVING GROUND Quantity: 35 Gallons ERNS Case #: 89060 County: TOOELE City/State: DUGWAY, UT Material: AMMONIA Spiller: US P.C.I. INC Date Spilled: 11/16/89 ERNS Case #: 891118 County: TOOELE Quantity: 150 Pounds Location: 8960 N. HWY 40 City/State: LAKEPOINT, UT Material: OIL - 750 PPM PCB'S Spiller: TOOLE ARMY DEPT Date Spilled: 03/02/89 Quantity: 16 Gallons Location: TOOELE ARMY DEPOT ERNS Case #: 89154 County: TOOELE City/State: , UT Material: ELECTRIC FURNACE DUST BAG Date Spilled: 05/25/89 Spiller: U.S. POLLUTION CONTROL CO

Location: W. UTAH DESERT/3 MI E & 4 MI N OF KNOLLS

Location: GRASS MTN FACILITY/3 MI E. 7 MI N. EX 41

Spiller: U.S.P.C.I.-GRASSY MTN FACILITY

City/State: KNOLLS, UT

City/State: CLYDE, UT

ERNS Case #: 89442

Date Spilled: 06/14/89

ERNS Case #: 89517 County: TOOELE

County: TOOELE

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Material: SULFURIC ACID (UNKNOWN CONC)

Quantity: 20 Gallons

EMERGENCY RESPONSE NOTIFICATION SYSTEM EPA REGION VIII FOIA(8) RIN-1631-93 DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH NOTE: INITIAL NOTIFICATION ONLY - - UNVERIFIED DATA

Date Spilled: 07/12/89 ERNS Case #: 89587 Spiller: TOOELE ARMY DEPOT Material: TRANSFORMER Location: 200 YRDS W. OF SO GATE OF HWY Quantity: 3 Gallons City/State: TOOELE, UT 84074-5000 County: TOOELE Date Spilled: 08/24/89 Spiller: UNION PACIFIC Material: HYDROCHLORIC ACID ERNS Case #: 89857 Location: ON SIDING AT M.P. 747.5 Quantity: 100 Gallons County: TOOELE City/State: WARNER, UT Date Spilled: 12/21/89 ERNS Case #: 900078 Material: CHROMIUM Spiller: US DEPT OF ARMY Location: TOOELE ARMY DEPOT Quantity: 220 Gallons County: TOOELE City/State: TOOELE, UT 84074-Date Spilled: 03/22/90 Spiller: USAF Material: HYDRAZINE ERNS Case #: 900212 Location: WENDOVER RANGE I-80 CROSSES APPROX 10 MI Quantity: 12 Gallons County: TOOELE City/State: WENDOVER, UT Date Spilled: 04/03/90 Spiller: US ARMY/TOOELE ARMY DEPOT Material: METHYL CHLORIDE ERNS Case #: 900255 Quantity: 0.10 Unknown Location: City/State: TOOELE, UT 84074-County: TOOELE Date Spilled: 04/03/90 ERNS Case #: 900256 Material: TOLUENE .8 PPM Spiller: USA - TOOELE ARMY DEPOT Location: TOOELE ARMY DEPOT Quantity: 0.10 Unknown County: TOOELE City/State: TOOELE, UT Date Spilled: 04/18/90 ERNS Case #: 900290 Spiller: US POLUTION CONTROL INC Material: LEAD ACETATE Location: HWY 80 7 MI SOUTH OF USPCI FACILITY Quantity: 1 Pounds County: TOOELE City/State: , UT Date Spilled: 07/12/90 ERNS Case #: 900562 Spiller: US POLUTION CONTROL INC Material: NITRIC ACID Location: 3 MI NORTH 7 MI EAST OF THE KNOLLS EXIT Quantity: 0.10 Unknown County: TOOELE City/State: , UT Date Spilled: 08/20/90 Spiller: BARRICK MERCUR GOLD MINE Material: SODIUM CYANIDE ERNS Case #: 900686 Location: MERCUR CANYON Quantity: 60 Pounds County: TOOELE City/State: TOOELE, UT Spiller: USA - TOOELE ARMY DEPOT Location: TOOELE ARMY DEPOT Date Spilled: 10/03/90 Material: HYDROCHLORIC ACID 8% ERNS Case #: 900817 Quantity: 400 Gallons County: TOOELE City/State: TOOELE, UT Date Spilled: 10/03/90 ERNS Case #: 900869 Spiller: Material: HYDROCHLORIC ACID Location: TOOELE ARMY DEPOT/BLDG 691 Quantity: Unknown County: TOOELE City/State: TOOELE, UT Date Spilled: 03/16/90 ERNS Case #: 901064 Spiller: USAF Material: HYDRAZINE Location: BONNEVILLE SALT FLATS Quantity: 6 Gallons County: TOOELE City/State: WENDOVER, UT Date Spilled: 03/16/90 Material: HYDRAZINE Spiller: USAF ERNS Case #: 901100 Location: BONNEVILLE SALT FLATS Quantity: 6 Gallons City/State: WENDOVER, UT County: TOOELE Date Spilled: 02/19/91 Spiller: USA - TOOELE ARMY DEPOT Material: SODIUM HYDROXIDE ERNS Case #: 910144 Location: TOOELE ARMY DEPOT AT THE TANK FARM Quantity: 4500 Gallons County: TOOELE City/State: TOOELE, UT Date Spilled: 02/26/91 Spiller: USA - TOOELE ARMY DEPOT Material: SULFURIC ACID ERNS Case #: 910161 Location: TOOELE ARMY DEPOT HWY 56 Quantity: 20 Gallons County: TOOELE City/State: TOOELE, UT Date Spilled: 02/27/91 Spiller: GRAPHIC COATING AND STAMPING Material: MEK SOLVENT ERNS Case #: 910162 Location: DUMPING BTWN SALT LAKE CITY & WENDOVER Quantity: 110 Gallons County: SALT LAKE, TOOELE City/State: SALT LAKE CITY & WENDOVER, UT

Spiller: TOOELE ARMY

Location: MARKETING OFFICE

City/State: TOOLE, UT 84074-

Date Spilled: 02/26/91 ERNS Case #: 910163

County: TOOLE

EMERGENCY RESPONSE NOTIFICATION SYSTEM

EPA REGION VIII FOIA(8) RIN-1631-93

DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH

NOTE: INITIAL NOTIFICATION ONLY - UNIVERSIFIED DATA

Material: SALT CAKE Spiller: INSEMIC Date Spilled: 04/11/91 ERNS Case #: 910300 Location: STATE LINE CASINO (IN BACK ON BORDER) Quantity: 20000 Tons City/State: WENDOVER, UT 84083-County: TOOELE Material: DIESEL/CONTAMINATED SOIL Date Spilled: 06/13/91 ERNS Case #: 910519 Spiller: DAN OGDEN TRUCKING Location: S OF GRANTSVILLE, UT, SOUTH WILLOW ROAD City/State: GRANTSVILLE, UT 84029-Quantity: 0.10 Other County: TOOELE Spiller: USA - TOOELE ARMY DEPOT Material: DICHLOROMETHANE Date Spilled: 06/01/91 ERNS Case #: 910698 Location: TOOELE ARMY DEPOT Quantity: 0.14 Pounds County: TOOELE City/State: TOOELE, UT Material: METHYLENE CHLORIDE.015-.37PP Date Spilled: 07/24/91 ERNS Case #: 910699 Spiller: U.S. ARMY Quantity: 6 Pounds Location: TOOELE ARMY DEPOT City/State: TOOELE, UT County: TOOELE Material: D002, D007, D008, D018 Date Spilled: 07/23/91 Spiller: USPCI Location: KNOLLS EXIT, OFF HWY I-80 Quantity: 30 Gallons ERNS Case #: 910716 City/State: CLIVE, UT County: TOOELE Material: D018 Spiller: USPCI Date Spilled: 07/30/91 Quantity: 2 Gallons Location: KNOLLS EXIT OFF HWY 80 ERNS Case #: 910717 City/State: CLIVE, UT County: TOOELE Material: DINITROTOLUENE (MOLTEN) Spitler: USA - TOOELE ARMY DEPOT Date Spilled: 08/29/91 Location: TOOELE ARMY DEPOT Quantity: 152 Pounds ERNS Case #: 910850 County: TOOELE City/State: TOOELE, UT Material: WASTE SLUDGE D007/D008 Spiller: USPCI Date Spilled: 09/25/91 Location: 3 MI E., 7 MI N. OFF OF EXIT 44 OF I-80 Quantity: 75 Gallons ERNS Case #: 910954 County: TOOELE City/State: CLIVE, UT Material: BARIUM DOOS WASTE Date Spilled: 09/27/91 ERNS Case #: 910959 Spiller: USPCI Location: GRASSY MOUNTAIN FACILITY Quantity: 15 Gallons City/State: GRANTSVILLE, UT County: TOOELE Spiller: J & C STRINGER TRUCKING Material: OIL: DIESEL Date Spilled: 10/17/91 ERNS Case #: 910998 Quantity: 20 Gallons Location: INTERSTATE 80 NEAR CITY OF BLACK ROCK County: TOOELE City/State: TOOELE, UT Material: OIL: DIESEL Date Spilled: 11/07/91 ERNS Case #: 911062 Spiller: DARRYL B TAYLOR TRANS Quantity: 100 Gallons Location: I-80, MILEMARKER 81 City/State: , UT County: TOOELE Spiller: KENNECOTT UTAH COPPER Location: KENNECOTT COPPER SMELTER - NO. 7 PLANT Material: SULFUR DIOXIDE Date Spilled: 11/20/91 Quantity: 2 Pounds ERNS Case #: 911105 City/State: BINGHAM CANYON, UT 84006-County: TOOELE Material: OIL: DIESEL Date Spilled: 11/22/91 ERNS Case #: 911121 Spiller: U W FRIEGHT LINES Quantity: 5 Gallons Location: HWY I-80 EASTBOUND City/State: GRANTSVILLE, UT County: TOOELE Material: AMMONIUM SULFAMATE Date Spilled: 12/17/91 ERNS Case #: 911197 Spiller: USPCI Location: 10 MILES NORTH OF HWY 80 - 40 MILES E. OF WEN Quantity: 15 Gallons DOVER, UT. County: TOOELE City/State: WENDOVER, UT
COMMENT: 1 LEAKING DRUM IN CONTAINMENT AREA - USED SORBENT MATERIALS TO CLEAN UP. Material: CHLORINE Date Spilled: 12/11/91 Spiller: MAGNESIUM CORPORTATION OF AMER Quantity: 57 Tons ERNS Case #: 911199 Location: County: TOOELE City/
COMMENT: RELEASE OVER 24-HOUR PERIOD. City/State: ROWLEY, UT Material: CHLORINE Date Spilled: 01/29/92 ERNS Case #: 920062 Spiller: MAGNESIUM CORP. OF AMERICA Location: ROWLEY FACILITY/15 MILES N. OF EXIT 77 ON I-8 Quantity: 24 Tons

0

City/State: , UT

County: TOOELE

COMMENT: DISCHARGER REPAIRED BROKEN COMPRESSOR.

Material: SODIUM CYANIDE (14 PARTS/MIL

EMERGENCY RESPONSE NOTIFICATION SYSTEM EPA REGION VIII FOIA(8) RIN-1631-93
DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH

NOTE: INITIAL NOTIFICATION ONLY - - UNVERIFIED DATA

Date Spilled: 02/17/92 ERNS Case #: 920144

Spiller: BARRICK MERCUR GOLD MINE

Location: MERCUR CANYON ROAD

County: TOOELE City/State: TOOELE, UT COMMENT: SNOWMELT/PRECIPITATION CAUSED TAILINGS POND TO OVERFLOW.

Date Spilled: 03/06/92

Spiller: ENVIRO CARE

Location: ENVIRO CARE FAC 3 MILES S. OF I-80, 49 MILES ERNS Case #: 920193

County: TOOELE E. OF UT/NEV BORDER

City/State: GRANTSVILLE, UT

Date Spilled: 05/14/92 ERNS Case #: 920452

County: TOOELE

Date Spilled: 05/18/92

ERNS Case #: 920460 County: TOOELE

Spiller: MAGNESIUM CORP OF AMERICA

Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Quantity: 57 Tons

-80 WEST BOUND

City/State: ROWLEY, UT

Date Spilled: 06/17/92

ERNS Case #: 920575

County: TOOELE

Date Spilled: 07/11/92

ERNS Case #: 920650

County: TOOELE

Date Spilled: 07/15/92

ERNS Case #: 920673

County: TOOELE

Date Spilled: 07/17/92

ERNS Case #: 920678 County: TOOELE

Date Spilled: 07/20/92

ERNS Case #: 920689

County: TOOELE

Date Spilled: 08/06/92 ERNS Case #: 920747

County: TOOELE

Date Spilled: 08/09/92

ERNS Case #: 920756

County: TOOELE

Date Spilled: 08/08/92

ERNS Case #: 920761 County: TOOELE

Date Spilled: 08/22/92 ERNS Case #: 920806

County: TOOELE

Date Spilled: 08/29/92 ERNS Case #: 920842

County: TOOELE

Date Spilled: 09/03/92 ERNS Case #: 920844

County: TOOELE

Spiller: MAGNESIUM CORP OF AMERICA Location: I-80, 15 MILES NORTH OF EXIT 77

City/State: ROWLEY, UT

COMMENT: FAILURE IN WASH WATER COLUMN. BROUGHT UNITS DOWN, AND REPAIRS ARE BEING MADE.

Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Quantity: 63000 Tons

-80 WEST BOUND

City/State: ROWLEY, UT

Spiller: MAGNESIUM CORP OF AMERICA

Location: ROWLEY PLANT City/State: ROWLEY, UT

Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Quantity: 128 Tons

-80 WEST BOUND

City/State: ROWLEY, UT

Spiller: MAGNESIUM CORP OF AMERICA

Location: ROWLEY PLANT City/State: GRANTSVILLE, UT

Spiller: MAGNESIUM CORP OF AMERICA

Location: ROWLEY FACILITY

City/State: GRANTSVILLE, UT 84116

Spiller: MAGNESIUM CORP OF AMERICA

T 77 ON I-80 WEST BOUND

City/State: ROWLEY, UT 84116

Spitler: MAGNESIUM CORP OF AMERICA

Location: MAGNESIUM CORP FACILITY/15 MILES NORTH OF EXI T 77 ON I-80 WEST BOUND

City/State: ROWLEY, UT

Spiller: MAGNESIUM CORP OF AMERICA

Location: MAGNESIUM CORP FACILITY/15 MILES NORTH OF EXI Quantity: 21 Tons

T 77 ON I-80 WEST BOUND

City/State: ROWLEY, UT

Spiller: MAGNESIUM CORP OF AMERICA

Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Quantity: 254 Tons

-80 WEST BOUND

City/State: ROWLEY, UT

Spiller: MAGNESIUM CORP. OF AMER.

Location: ROWLEY ROAD/23 SW OF GRANTSVILLE

City/State: GRANTSVILLE, UT 84116

Spiller: USA - TOOELE ARMY DEPOT

Location: TOOELE ARMY DEPOT City/State: TOOELE, UT 84074 Material: GASOLINE: AUTOMOTIVE (4.23G

Quantity: 4 Gallons

Quantity: 25000 Gallons

Material: CHLORINE Quantity: 38 Tons

Material: CHLORINE

Material: CHLORINE

Material: CHLORINE

Quantity: 9 Tons

Material: CHLORINE

Material: CHLORINE

Quantity: 19 Tons

Material: CHLORINE(IN EXCESS OF ALLOWE

Quantity: 1 Tons

Material: CHLORINE

Location: MAGNESIUM CORP FACILITY/15 MILES NORTH OF EXI Quantity: 61 Tons

Material: CHLORINE

Quantity: 39000 Tons

Material: CHLORINE

Material: CHLORINE

Material: CHLORINE Quantity: 2 Tons

Material: METHYLENE CHLORIDE, 81% Quantity: 55 Gallons

EMERGENCY RESPONSE NOTIFICATION SYSTEM

EPA REGION VIII FOIA(8) RIN-1631-93

DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH

NOTE: INITIAL NOTIFICATION ONLY - UNVERIFIED DATA

Date Spilled: 09/11/92 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE Location: 15 MILES N OF 180 EXIT 77 ERNS Case #: 920855 Quantity: 188 Tons City/State: RAWLEY, UT 84116 County: TOOELE Spiller: UNKNOWN Material: NITRIC ACID Date Spilled: 09/14/92 Location: 2 MILES N. OF SKULL VALLEY (IOSEPA) ERNS Case #: 920867 Quantity: 2 Pounds County: TOOELE City/State: , UT Date Spilled: 09/04/92 Spiller: BIG WYOMING TRUCKING INK Material: GASOLINE: AUTOMOTIVE (4.23G ERNS Case #: 920922 Location: 20MI NORTH HWY 191 FM VERNAL, UT Quantity: 100 Gallons City/State: VERNAL, UT 82501 County: TOOELE Date Spilled: 10/01/92 ERNS Case #: 920940 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE (OVER THE PERMITTED Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Quantity: 6 Tons County: TOOELE -80 WEST BOUND City/State: ROWLEY, UT Date Spilled: 10/05/92 ERNS Case #: 920978 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE Quantity: 201 Tons Location: ROWLEY FACILITY 15 MI N EXIT 77 I-80 County: TOOELE City/State: ROWLEY, UT Date Spilled: 10/14/92 ERNS Case #: 920986 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE Location: Quantity: 268 Tons County: TOOELE City/State: GRANTSVILLE, UT Date Spilled: 10/21/92 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE ERNS Case #: 921012 Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Quantity: 9 Tons County: TOOELE -80 WEST BOUND City/State: ROWLEY, UT Date Spilled: 10/22/92 ERNS Case #: 921017 Spitler: MAGNESIUM CORP OF AMERICA Material: CHLORINE Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Quantity: 13 Tons County: TOOELE -80 WEST BOUND City/State: ROWLEY, UT Date Spilled: 11/05/92 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE ERNS Case #: 921070 Location: COUNTY ROAD 113 Quantity: 210 Tons County: TOOELE City/State: GRANTSVILLE, UT Date Spilled: 11/12/92 ERNS Case #: 921093 Spiller: USPCI Material: HYDROGEN SULFIDE Location: OFF I-80, MILE 43 ("THE KNOLLS" EXIT) Quantity: 2100 Pounds County: TOOELE City/State: GRANTSVILLE, UT COMMENT: RELEASE WAS FROM STABILIZATION UNIT. ADDED ADDITIONAL REAGENTS TO STABILIZATION UNIT UNTIL RELEASE STOPPED. Date Spilled: 12/03/92 Material: HAZARDOUS WASTE INCINERATOR Spiller: USPCI ERNS Case #: 921155 Location: 3 MI E AND 7 MI N OF KNOLLS UTAH EXIT OFF OF Quantity: 5000 Pounds County: TOOELE I-80 City/State: GRANTSVILLE, UT Date Spilled: 12/10/92 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE Location: 15 MI NORTH OF EXIT 77 OFF OF I-80 ROWLEY PLA ERNS Case #: 921170 Quantity: 23 Tons County: TOOELE NT City/State: ROWLEY, UT 84116 Date Spilled: 01/29/93 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE Location: INTERSATE 80 FIFTEEN MILES N OF EXIT 77 ERNS Case #: 930096 Quantity: 61 Tons County: TOOELE City/State: ROWLEY, UT Date Spilled: 02/05/93 ERNS Case #: 930123 Spiller: DETREX CORP Material: 1,1,1-TRICHLOROETHANE Location: 76 AUTOTRUCK PLAZA I-80 & LAKEPOINT RD Quantity: 25 Gallons County: TOOELE City/State: TOOELE, UT Date Spilled: 02/13/93 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE Quantity: 10 Tons ERNS Case #: 930175 Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I County: TOOELE -80 WEST BOUND

Material: OIL: DIESEL Quantity: 100 Gallons

City/State: ROWLEY, UT

City/State: WARNER, UT

Location:

Spiller: UNION PACIFIC RAILROAD

Date Spilled: 03/01/93

ERNS Case #: 930193

County: TOOELE

EMERGENCY RESPONSE NOTIFICATION SYSTEM EPA REGION VIII FOIA(8) RIN-1631-93 DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH NOTE: INITIAL NOTIFICATION ONLY - UNIVERSIFIED DATA

Date Spilled: 03/21/93 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Quantity: 79 Tons ERNS Case #: 930254 County: TOOELE -80 WEST BOUND City/State: ROWLEY, UT Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINI Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Quantity: 33 Tons Date Spilled: 03/20/93 Material: CHLORINE ERNS Case #: 930263 County: TOOELE -80 WEST BOUND City/State: ROWLEY, UT Date Spilled: 04/07/93 Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Quantity: 64 Tons
-80 WEST BOUND ERNS Case #: 930339 County: TOOELE City/State: ROWLEY, UT Date Spilled: 05/24/93 ERNS Case #: 930512 Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Material: CHLORINE Quantity: 160 Tons County: TOOELE -80 WEST BOUND City/State: ROWLEY, UT Spiller: MAGNESIUM CORP OF AMERICA Location: 15 MILES NORTH OF EXIT 77 ON I-80 Date Spilled: 06/02/93 Material: CHLORINE ERNS Case #: 930541 Quantity: 269 Tons City/State: ROWLY, UT County: TOOELE Date Spilled: 06/10/93 ERNS Case #: 930576 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORIN Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Quantity: 8 Tons Material: CHLORINE County: TOOELE -80 WEST BOUND City/State: ROWLEY, UT Date Spilled: 07/15/93 Spiller: TOOELE ARMY DEPOT Material: EXPLOSIVES ERNS Case #: 930681 Location: ON BASE Quantity: Unknown County: TOOELE City/State: TOOELE ARMY DEPOT, UT Date Spilled: 08/18/93 ERNS Case #: 930809 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE Location: 15 MI N OF EXIT 77 OFF OF 180 Quantity: 239 Tons County: TOOELE City/State: ROWLEY, UT Date Spilled: 08/19/93 ERNS Case #: 930817 Spiller: MAGNESIUM CORP OF AMERICA Location: 15 MI N OF EXIT 77 OFF INTERSTATE 80 Material: CHLORINE Quantity: 165 Tons County: TOOELE City/State: ROWLEY, UT Date Spilled: 09/09/93 ERNS Case #: 930879 Spiller: USARMY-TOOELE ARMY DEPOT Material: MUSTARD GAS Location: TOOELE ARMY DEPOT Quantity: 1150 Pounds County: TOOELE City/State: TOOELE, UT 84074 Date Spilled: 09/09/93 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE ERNS Case #: 930888 Location: MAGNESIUM CORP / 15 MILES N OF EXIT 77 ON I-8 Quantity: 164 Tons County: TOOELE O WESTBOUND City/State: ROWLEY, UT Date Spilled: 09/01/93 ERNS Case #: 930972 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE Location: 15 NORTH OF EXIT 77 OF I-80 Quantity: 157 Tons County: TOOELE City/State: ROWLEY, UT Date Spilled: 10/07/93 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE ERNS Case #: 931011 Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I Quantity: 142000 Pounds -80 WEST BOUND County: TOOELE City/State: ROWLEY, UT Date Spilled: 10/10/93 ERNS Case #: 931016 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE Location: 15 MI N OF EXIT 77 ON I-80 / 35 MILES NW OF T Quantity: 157 Tons County: TOOELE OWN City/State: GRANTSVILLE, UT Date Spilled: 10/13/93 Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE ERNS Case #: 931029 Location: 15 MI N OF EXIT 77 OFF I-80 Quantity: 166 Tons County: TOOELE City/State: ROWLEY, UT

EMERGENCY RESPONSE NOTIFICATION SYSTEM EPA REGION VIII FOIA(8) RIN-1631-93 DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH NOTE: INITIAL NOTIFICATION ONLY - - UNVERIFIED DATA

Date Spilled: 10/16/93

Date Spilled: 11/19/93 ERNS Case #: 931127

Date Spilled: 11/27/93 ERNS Case #: 931158 County: **TOOELE**

County: TOOELE

ERNS Case #: 931039

Spiller: MAGNESIUM CORP OF AMERICA Material: CHLORINE
Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I
-80 WEST BOUND

AND ADMINISTRATION OF EXIT 77 ON I
-80 WEST BOUND

County: TOOELE

City/State: ROWLEY, UT

Material: WASTE WATER SLUDGE

Spiller: USARMY-TOOELE ARMY DEPOT Location: USA-TOOELE ARMY DEPOT STATE HWY 36 City/State: TOOELE, UT 84074 Quantity: 400 Gallons

Spiller: UNKNOWN ABANDONED DRUM

Material: UNKNOWN

Location: 5 MILE PASS / NEAR CEDAR FORT, SEC 9, R3W, T7 Quantity: 1 Drums

S / DISCOVERED ON BLM LAND

City/State: CEDAR FORT, UT

B-24

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APPENDIX C	
DISQUALIFIER AND QUALIFIER DATABASE TABLE	

LIST OF ABBREVIATIONS/ACRONYMS IN DISQUALIFIER AND QUALIFIER DATABASE TABLE

ASBPRE85 Asbestos
BLDG Building

CMF Consolidated Maintenance Facility

CMFL Portion of CMF built over former Outfall D to Industrial Waste

Lagoon

CMFR Portion of CMF built over former Outfall E to Industrial Waste

Lagoon

CRANE 25 Ton bridge crane

FENCE Fenced area (former motor pool)
HAZRD Hazardous material release/disposal

HAZSTOR Hazardous material storage

N No

NG Utah National Guard

No. Number

OSL Open storage lot

OSL ADAPBERM

OSL ADAPDF

OSL ADAPEXC

OSL ADAPTRCH

Former Administration Area drainfield (aerial photographs)

Former Administration Area excavation (aerial photographs)

Area of former Administration Area trenches (aerial photographs)

OSL DEMBLDGS Demolished former base housing tract
OSL FB105 Former Building 105 (demolished)
OSL FB130 Former Building 130 (demolished)

OSL FUELTANK582 Fuel Oil Tank 582

OSL HWSTORAREA1 Fenced area around Building 656

OSL HWSTORAREA2 Fenced area around Buildings 588 and 596

OSL H2OTANK581 Water Tank 581

OSL MAPDG Former Maintenance and Supply Area disturbed ground
OSL NEWDRMO1 Area of documented contamination located in open land at

DRMO

OSL NEWDRMO2 Area of documented contamination located in open land at

DRMO

OSL NEWPLUME Estimated maximum extent of trichloroethylene groundwater

plume associated with the Sanitary Landfill

OSL NMAPTRCH Former northern Maintenance and Supply Area trench (aerial

photographs)

OSL OFB Former Outfall B to Industrial Waste Lagoon

OSL OFBTEMP Former area of temporary channel failure from ditch at Outfall B

OSL OFC Former Outfall C to Industrial Waste Lagoon

OSL OFD1

OSL OFD2

OSL OFE1

OSL OFE2

Northeast end of former Outfall D to Industrial Waste Lagoon

Southwest end of former Outfall E to Industrial Waste Lagoon

Northeast end of former Outfall E to Industrial Waste Lagoon

Southwest end of former Outfall E to Industrial Waste Lagoon

OSL OFF Former Outfall F to Old Industrial Waste Lagoon
OSL OFH Former Outfall G to Old Industrial Waste Lagoon
OSL OFJ Former Outfall H to Old Industrial Waste Lagoon
OSL OFK Former Outfall J to Old Industrial Waste Lagoon
Former Outfall K to Old Industrial Waste Lagoon

C-1 FINAL

LIST OF ABBREVIATIONS/ACRONYMS IN DISQUALIFIER AND QUALIFIER DATABASE TABLE (Continued)

OSL OFL Former Outfall L to Old Industrial Waste Lagoon

OSL OPENLANDW Open land along west central portion of Maintenance and Supply

Area

OSL PLUME Maximum extent of trichloroethylene groundwater plume

associated with the Industrial Waste Lagoon

OSL RAD1 Portion of former Drummed Radioactive Waste Storage Area
OSL RAD2 Portion of former Drummed Radioactive Waste Storage Area
OSL SMAPTRCH Former southern Maintenance and Supply Area trench (aerial

photographs)

OSL STLIQ-A Northernmost area of standing liquid (associated with SWMU 30)

located in BRAC

OSL STLIQ-B Centrally located area of standing liquid (associated with SWMU

30) located in BRAC

OSL STLIQ-C Southernmost area of standing liquid (associated with SWMU 30)

located in BRAC

OSL SWMU 28 SWMU 28, 90-Day Drum Storage Area

OSL SWMU 29 SWMU 29, Drum Storage Areas

OSL TANK582AREA Fenced area surrounding Fuel Oil Tank 582

Possible

PBPNTP78 Lead-based paint

PCBS Polychlorinated biphenyls
PETRRD Petroleum release/disposal

PETRSTOR Petroleum storage RADNCL Radionuclides

SATR Trap and Skeet Range

SLAB Concrete slab (Administration Area)

TVHS Tooele Valley High School UXO Unexploded ordnance

/ Ye

YR_BLT Year built ("0" displayed if year built not available)

NOTE: Individual portions of OSLs and other features divided into multiple polygons by outfall ditches to the IWL are identified by adding the letters A, B, or C to the end of the database label for each segmented feature.

C-2 FINAL

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRE85	RADON	RADNCL	PCBS	PBPNTP78	uxo
100	BLDG	1992	N	Υ	N	N	N	N	N	N	N	N
1000	BLDG	1943	N	Y	N	Y	Y	N	N	N	P	N
1001	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
1002	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
1004	BLDG	1943	N	Y	N	N	Υ	N	N	N	P	N
1005	BLDG	1943	N	Y	N	N	Υ	N	N	N	P	N
1006	BLDG	1943	N	N	N	N	P	N	N	N	P	N
1008	BLDG	1978	N	N	N	N	P	N	N	N	N	N
1009	BLDG	0	N	N	N	N	P	N	N	N	P	N
1010	BLDG	1972	N	Y	N	N	Υ	N	N	N	P	N
1011	BLDG	1981	N	N	N	N	P	N	N	N	N	N
1020	BLDG	0	N	N	N	N	Р	N	N N	N	 P	N
109	BLDG	1985	N	Y	N	N	Y	N	N N	N	N	N
1110	BLDG	1979	N	N	N	N	P	N	N	N	N	N
1111	BLDG	1968	N	N	N	N	P	N	N	N	P	N
1112	BLDG	0	N	N	N	N	Р	N	N N	N	Р	N
112	BLDG	1985	N	Y Y	N	N	N	N	N	N	N	N M
114	BLDG	1985	N	Y	N	N	N	N	N	N	N	N
116	BLDG	1985	N	, N	N	N	N	N	N	N	N	N M
160	BLDG	1981	N	N N	N	N	n P	N	N	N	N	M M
161	BLDG	1981	N	N N	N N	N	P	N	N	N		M M
162	BLDG	1981	N	N		N	P	N			N	N
163	BLDG	1981	N		N		P		N	N	N	N
2000				N	N	N	•	N	N	N	N	N
	BLDG	1976	N	N	Y	N	P	N	P	N	P	N
2001	BLDG	1976	N	N	Y	Y	P	N	P	N	P	N
2002	BLDG	1976	N	N	Y	N	P	N	P	N 	P	N
2003	BLDG	1976	N	Υ	Y	Υ	P	N	P	N	P	N
2004	BLDG	1976	N	N	Y	N	P	N	P	N	P	N
2005	BLDG	1976	N	N	Y	N	P	N	P	N	P	N
2006	BLDG	1976	N	N	Y	N	P	N	P	N	P	N
2007	BLDG	1976	N	N	Y	N	P	N	P	N	P	N
2011	BLDG	1946	N	Y	Y	N	P	N	P	N	P	N
2012	BLDG	1943	N	Y	Y	N	N	N	P	N	P	N
2013	BLDG	1962	N	Y	Y	N	P	N	P	N	P	N
2014	BLDG	. 0	N	N	Y	N	P	N	P	N	P	N
2015	BLDG	0	N	N	Y	N	P	N	P	N	P	N
2016	BLDG	1981	N	N	Y	N ·	P	N	P	N	N	N
2020	BLDG	1989	N	Y	Y	N	N	N	P	N	N	N
250	BLDG	0	N	N	N	N	N	N	N	N	P	N
253	BLDG	0	N	N	N	N	N	N	N	N	P	N
576	BLDG	1962	P	N	P	Y	P	N	N	N	P	N
586	BLDG	1970	N	N	N	N	P	N	N	N	P	N
587	BLDG	1971	N	N	N	Y	N	N	N	N	P	N
588	BLDG	1987	N	N	N ·	N	N	N	N	N	N	N
596	BLDG	0	N	N	N	N	P	N	N	N	P	N
597	BLDG	1963	N	N	N	N	γ .	N	N	N	P	N
600	BLDG	1943	₽	Y	Υ	Υ	Y	N	N	N	P	N
600-A	BLDG	0	N	N	N	N	P	N	N	N	P	N
600-B	BLDG	0	N	N	N	N	P	N	N	N	P	N
600-C	BLDG	1988	N	N	P	Υ	N	N	N	N	N	N
602	BLDG	1943	P	Υ	P	Υ	Y	N	N	N	P	N
603	BLDG	1943	P	N	₽	Y	Υ	N	N	N	P	N
607	BLDG		N	N	P	Υ	Υ	N	N	N	Р	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRE85	RADON	RADNCL	PCBS	PBPNTP78	UXO
612	BLDG	1943	P	N	P	Y	Y	N	N	N	Р	N
613	BLDG	1943	P	N	Р	Υ	Y	N	N	N	P	N
613A	BLDG	0	N	N	N	N	P	N	N	N	P	N
615	BLDG	1956	P	N	Υ	Υ	Y	N	N	N	P	N
_615-PI	BLDG	0	N	N	N	N	P	N	N	N	P	N
615C	BLDG	0	N	N	N	N	P	N	N	N	P	N
615D -	BLDG	0	N	N	N	Y	P	N	N	N	P	N
618-A	BLDG	0	N	N	N	N	P	N	N	N	P	N
619	BLDG	1943	P	Y	P	Y	N	N	P	N	P	N
622	BLDG	1977	N	Y	N	N	N	N	N	N	P	N
623	BLDG	0	P	Y	P	N	N	N	N	N	P	N
624	BLDG	1966	N	Y	N	N	P	N	N	N	P	N
626	BLDG	0	N	N	N	N	N	N	N	N	N	N
626F	BLDG	0	N	N	N	N	P	N	N	N	P	N
627	BLDG	1973	P	Y	N	N	Y	N	N	N	P	N
628	BLDG	1943	N	N	N	N	P -	N	N	N	P	N
632	BLDG	1992	N	N	N	N	N	N	N	N	N	N
633	BLDG	0	N	N	N	N	P	N	N	N	P	N
637-A	BLDG	1943	N	N	N	N	P	N	N	N	P	N
637-В	BLDG	0	N	N	N	N	P	N	N	N	P	N
637-C	BLDG	0	N	N	N	N	P	N	N	N	P	N
653	BLDG	0	N	N	N	N	P	N	N	N	P	N
655	BLDG	1968	N	Y	N	N	Y	N	N	N	P	N
656	BLDG	1976	P	Y	P	N	P	N	N	N	P	N
673	BLDG	0	N	N	N	N	P	N	N	N	P	N
690	BLDG	0	N	N	N	N	P	N	N	N	P	N
691	BLDG	1983	P	Y	P	Y	Y	N	N	N N	N	N N
693	BLDG	0	N	N	N	N	P	N	N		P N	N
710	BLDG	1987	N	N	N	Y	N	N	N	N N	N	N
711	BLDG	1987	N	Y	N N	N Y	N	N N	N N	N	N N	N
712 713	BLDG	1987 1987	N N	N N	N N	Y	N N	N	N	N	N	N
713 714	BLDG BLDG	1987	N	N N	N N	Y	N	N	N	N	N	N
714	BLDG	1987	N	N	Ϋ́	Y	N	N	N	N	N	N
716	BLDG	1993	N	N	N N	Y	N	N	N	N	N	N
804	BLDG	1947	N	N N	N	, N	P	N	N	N	P	N
805	BLDG	1947	N N	N	N	N	P	N	N	N	P	N
806	BLDG	1947	N	N	N	N	P	N	N	N	P	N
807	BLDG	1947	N	N	N	N	P	N	N	N	P	N
808	BLDG	1947	N	N	N	N N	P	N	N.	N	P	N
809	BLDG	1947	N	N	N	N	P	N	N	N	P	N
810	BLDG	1947	N	N	N	N	P	N	N	N	P	N
811	BLDG	1947	N	N	N	N	P	N	N	N	P	N
812	BLDG	1947	N	N	N	N	P	N	N	N	P	N
813	BLDG	1947	N	N	N.	N	P	N	N	N	P	N
814	BLDG	1947	N	N	N	N	P	N	N	N	P.	N
815	BLDG	1947	N	N	N	N	P	N	N.	N	P	N
816	BLDG	1947	N.	N	N	N	P	N	N	N	P	N
817	BLDG	1947	N	N	N	N	P	N	N	N	P	N
818	BLDG	1947	N	N N	N	N	P	N	N	N	P	N
819	BLDG	1947	N	N	N	N	P	N	N	N	P	N
820	BLDG	1947	N	N	N	N	P	N	N	N	P	N
821	BLDG	1947		N	N	N	P	N	N	N	P	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRE85	RADON	RADNCL	PCBS	PBPNTP78	UXO
822	BLDG	1947	N	N	N	N	P	N	N	N	P	N
823	BLDG	1947	N	N	N	N	Р	N	N	N.	P	N
824	BLDG	1947	N	N.	N	N	Р	N	N	N N	P	N
825	BLDG	1947	N	N	N	N	Р	N	N	N.	Р	N
826	BLDG	1947	N	N	N	N	P	N	N	N.	P	N
827	BLDG	1947	N	N	N	N	P	N	N	N	Р	N
828	BLDG	1947	N	N	N	N	P	N	N	N.	Р	N.
829	BLDG	1947	N	N	N	N	Р	N	N	N	P	N
830	BLDG	1947	N	N	N	N	P	N	N	N	P	N
831	BLDG	1947	N	N	N	N	P	N	N	N	P	N
832	BLDG	1947	N	N	N	N	Р	N	N	N	P	N
833	BLDG	1947	N	N	N	N	P	N	N	N	P	N
834	BLDG	1947	N	N	N	N	Р	N	N	N	P	N
835	BLDG	1947	N	N	N	N	P	N	N	N	P	N
836	BLDG	1947	N	N	N	N	P	N	N	N	P	N
837	BLDG	1947	N	N	N	N	P	N	N	N	P	N
838	BLDG	1947	N	N	N	N	P	N	N	N	P	N
839	BLDG	1947	N	N	N	N	P	N	N	N	P	N
840	BLDG	1947	N	N	N	N	P	N	N	N	P	N
841	BLDG	1947	N	N	N	N	P	N	N	N	P	N
842	BLDG	1947	N	N	N	N	P	N	· N	N	P	N
843	BLDG	1947	N	N	N	N	P	N	N	N	P	N
844	BLDG	1947	N	N	N	N	P	N	N	N	P	N
845	BLDG	1947	N	N	N	N	P	N	N	N	P	N
846	BLDG	1947	N	N	N	N	P	N	N	N	P	N
847	BLDG	1947	N	N	N	. N	P	N	N	N	P	N
848	BLDG	1947	N	N	N	N	P	N	N	N	P	N
849	BLDG	1947	N	N	N	N	P	N	N	N	P	N
850	BLDG	1947	N	N	N	N	P	N	N	N	P	N
851	BLDG	1947	N	N	N	N	P	N	N	N	P	N
852	BLDG	1947	N	N	N	N	P	N	N	N	P	N
853	BLDG	1947	N	N	N	N	P	N	N	N	P	N
854	BLDG	1947	N	N	N	N	P	N	N	N	P	N
855	BLDG	1947	N	N	N	N	P	N	N	N	P	N
856	BLDG	1947	N	N	N	N	P	N	N	N	P	N
857	BLDG	1947	N	N	N	N	P	N	N	N	P	N
858	BLDG	1947	N	N	N	N	P	N	N	N	P	N
859	BLDG	1947	N	N	N	N 	P	N	N	N	P	N
860	BLDG	1947	N	N	N	N	P	N	N	N	P	N
861 862	BLDG	1947	N	N	N	N	P	N	N	N	P	N
863	BLDG BLDG	1947 1947	N	N	N M	N N	P P	N N	N N	N N	P P	N N
864	BLDG	1947	N N	N	N N	N	P	N	N N	N	P	N N
865	BLDG	1947	N	N N	N	N	P	N	N	N N	P	N N
866	BLDG	1947	N	N	N	N	r P	N	N	N	P	N
867	BLDG	1947										
868	BLDG	1947	N N	N N	N N	N N	P P	N N	N N	N N	P P	N N
869	BLDG	1947	N N	N N	N N	N N	P	N N	N	N	P P	N
870	BLDG	1947	N	N N	N	N N	P P	N.	N	N	P	N
871	BLDG	1947	N	N N	N N	N N	P	N N	N	N	P	N
872	BLDG	1947	N	N	N	N	P	N.	N	N	P	N
873	BLDG	1947	N	N	N	N	P	N	N	N	P	N
874	BLDG	1947		N	N	N N	r P	N	N	N	P	N
UIT	פנטט	1747	М	.7	П		r				•	

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRE85	RADON	RADNCL	PCBS	PBPNTP78	UXO
875	BLDG	1947	N	N	N	N	P	N	N	N	P	N
876	BLDG	1947	N	N	N	N	Р	N	N	N	Р	N
877	BLDG	1947	N	N	N	N	P	N	N	N	P	N
878	BLDG	1947	N	N	N	N	P	N	N	N	P	N
879	BLDG	1947	N	N	N	N	P	N	N	N	P	N
880	BLDG	1947	N	N	N	N	P	N	N	N	P	N
881	BLDG	1947	N	N	N	N	P	N	N	N	P	N
882	BLDG	1947	N	N	N	N	P	N	N	N	P	N
883	BLDG	1947	N	N	N	N	P	N	N	N	P	N
884	BLDG	1947	N	N	N	N	P	N	N	N	P	N
885	BLDG	1947	N	N	N	N	P	N	N	N	P	N
886	BLDG	1947	N	N	N	N	P	N	N	N	P	N
887	BLDG	1947	N	N	N	N	P	N	N	N	P	N
888	BLDG	1947	N	N	N	N	P	N	N	N	P	N
889	BLDG	1947	N	N	N	N	P	N	N	N	P	N
890	BLDG	1947	N	N	N	N	P	N	N	N	P	N
891	BLDG	1947	N	N	N	N	P	N	N	N	P	N
892	BLDG	1947	N	N	N	N	P	N	N	N	P	N
893	BLDG	1947	N	N	N	N	P	N	N	N	P	N
894	BLDG	1947	N	N	N	N	P	N	N	N	P	N
895	BLDG	1947	N	N	N	N	P	N	N	N	P	N
896	BLDG	1947	N	N	N	N	P	N	N	N	P	N
897	BLDG	1947	N	N	N	N	P	N	N	N	P	N
898	BLDG	1947	N	N	N	N	P	N	N	N	P	N
899	BLDG	1947	N	N	N	N	P	N	N	N	P	N
900	BLDG	1947	N	N	N	N	P	N	N	N	P	N
901	BLDG	1947	N	N	N	N	P	N	P	N	P	N
902	BLDG	1947	N	N	N	N	P	N	P	N	P	N
903	BLDG	1947	N	N	N	N	P	N	N	N	P	N
904	BLDG	1947	N	N	N	N	P	N	N	N	P	N
905	BLDG	1947	N	N	N	N	P	N	N	N	P	N
906	BLDG	1947	N	N	N	N	P	N	N	N	P	N
907	BLDG	1947	N	N	N	N	P	N	N	N	P	N
908	BLDG	1947	N	N	N	N	P	N	N	N	P	N
909	BLDG	1947	N	N	N	N	P	N	N	N	P	N
910	BLDG	1947	N	N	N	N	P	N	N	N	P	N
911	BLDG	1947	N	N	N	N	P	N	N	N	P	N
912	BLDG	1947	N	N	N	N	P	N	N	N	P	N
913	BLDG	1947	N	N	N	N	P	N	N	N	P	N
914	BLDG	1947	N	'N	N	N	P	N	N	N	P	N
915	BLDG	1947	N	N	N	N	P	N	N	N	P	N
916	BLDG	1947	N	N	N	N	P	N	N	N	P	N
917	BLDG	1947	N	N	N	N	P	N	N	N	P	N
918	BLDG	1947	N	N	N	N	P	N	N	N	P	N
919	BLDG	1947	N	N	N	N	P	N	N	N	P	N
920	BLDG	1947	N	N	N	N	P	N	N	N	P	N
921	BLDG	1947	N	N	N	N	P	N	N	N	P	N
922	BLDG	1947	N	N	N	N	P	N	N	N	P	N
923	BLDG	1947	N	N	N	N	P	N	N	N	P	N
924	BLDG	1947	N	N	N	N	P	N	N	N	P	N
925	BLDG	1947	N	N	N	N	P	N	N	N	P	N
926	BLDG	1947	N	N	N	N	P	N	N	N	P	N
927	BLDG	1947	N	N	N	N	P	N	N	N	P	N

LABEL	TYPE	YR BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRE85	RADON	RADNCL	PCBS	PBPNTP78	uxo
928	BLDG	1947	N	N	N	N	Р	N	N	N	P	N
CMF	BLDG	1992	N	Y	N	Y	N	N	N	N	N	N
CMFL	BLDG	1992	Y	Y	Y	Y	N	N	N	N	N	N
CMFR	BLDG	1992	Y	Y	Y	Y	N	N	N	N	N	N
CRANE	BLDG	0	N	N	N	N	N	N	N	N	P	N
FENCE	BLDG	0	P	P	P	P	N	N	N	N	N	N
NG	BLDG	0	N	Y	N	Y	P	N	N	N	P	N
OSL 509-2	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 509-3	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 509-4	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 509-5	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 509-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-2-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-2-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-3-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-3-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-4-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-4-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-5-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-5-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-6-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-6-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-1	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-2	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-3	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-5-A	OSL	. 0	N	N	N	N	N	N	N	N	N	N
OSL 615-5-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-6-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-6-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 625-4	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 625-5	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 625-6 OSL 633	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 635-4	OSL OSL	0	N N	N N	N	N ·	N N	N	N N	N	N	N
OSL 635-5	OSL	0	N	N	N	N	N	N N	N	N	N	N
OSL 635-6	OSL	0	N	N N	N N	N	N	N	N	N N	N N	N N
OSL 643	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 645-4	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 645-5	OSL	0	N	M	N	N	N	N	N	N	. N	N M
OSL 645-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 653	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 655-1	OSL	0	N.	N	N	N	N	N	N	N	N	N
OSL 655-2	OSL	0	N	N.	N	N	N	N	 N	N	N	N
OSL 655-3	OSL	Ö	N	N	N	N	N	N	N	N .	N	N
OSL 655-4	OSL	Ō	N	N	N	N	N	N	N	N	N	N
OSL 655-5	OSL	Ö	P	Ϋ́	P	Y	P	N	N	N	 P	N
OSL 655-6	OSL	ō	N N	N	N.	N	N.	N	N	N	N.	N
OSL 655-7	OSL	Ō	N	N	N	N	N	N	N	N	N	N
OSL 655-8	OSL	Ō	N	N	N	N	N	N	N	N	N	N
OSL 663	OSL	Ō	N	N	N	N	N	N	N	N	N	N
OSL 665-1	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 665-2	OSL	. 0	N	N	N	N	N	N	N	N	N	N
OSL 665-3	OSL	0	N	N	N	N	N	N	N	N	N	N
-		•		-		-	-					

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRE85	RADON	RADNCL	PCBS	PBPNTP78	UXO
OSL 665-4	OSL	0	N	N	Y	N	N	N	N	N	N	N
OSL 665-5	OSL	0	N	N.	N	N	N	N	N	N	N	N
OSL 665-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 665-7	OSL	0	N	N	N	N.	N	N	N	N	N	N
OSL 665-8	OSL	0	N	N	N	N.	N.	N	N	N	N	N
OSL 670-4	OSL	0	N	N	N	N	N	N	N	N.	N	N
OSL 670-4	OSL	0	N	N	N	N	N	N	N	N.	N	N
OSL 670-5	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 670-7	OSL	0	N N	N	N	N	N	N	N	N.	N	N
OSL 673	OSL	0	N N	N	N	N	N	N	N	N N	 N	N
OSL 675-2	OSL	0	N	N	Ϋ́	N	N	N	N	N	N	N
OSL 675-2		0	N N	N	N	N	N	N	N	N	N	N
OSL 675-3	OSL	0	N	N	N N	N	N	N	N	N	N	N
	OSL		N	N N	N N	N	N N	N	N	N	N N	N.
OSL 675-5	OSL	0				N	N	N	N	N	N	N
OSL 675-6	OSL	0	N	N	N		N	N N	N	N	N	N
OSL 675-7	OSL	0	N	N	N	N		N	N	N	N	N
OSL 675-8	OSL	0	N	N	N	N	N N	N	N	N	N	N
OSL 680	OSL	0	N	N	P	N	N N	N	N	N	N	N
OSL 683	OSL	0	N	N	N	N	N	N	N	N	N N	N
OSL 685-1	OSL	0	N	N 	N	N				N	N N	N
OSL 685-2	OSL	0	N	N	N	N	N	N N	N N	N	N	N
OSL 685-3	OSL	0	N	N	N	N	N		N	N	N	N
OSL 685-4	OSL	0	N	N	N	N	N	N		N	N	N
OSL 685-5	OSL	0	N	N 	N	N	N	N	N	N	N	n N
OSL 685-6	OSL	0	N	N	N	N	N	N	N		• •	N
OSL 685-7	OSL	0	N	N	N	N	N	N	N	N	N . N	N
OSL 685-8	OSL	0	N	N	N	N	N	N	N	N M	N	N N
OSL 690	OSL	0	N	N	N	N	N	N	N	N		N N
OSL 693	OSL	0	N	N	N 	N	N	N	N	N	N N	N
OSL 695-1	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 695-2	OSL	0	N 	N	N	N	N	N	N	N N	N	N
OSL 695-3	OSL	0	N 	N	N	N	N	N	N	N	N	M
OSL 695-4	OSL	0	N	N	N	N	N	N	N	N N	N	N M
OSL 695-5	OSL	0	N	N	N	N	N	N	N	N	N	M
OSL 695-6	OSL	0	N	N	N	N	N	N	N		N	NI Ali
OSL 695-7	OSL	0	N 	N	N	N 	N	N	N	N		N Al
OSL 695-8	OSL	0	N	N	N	N 	N 	N 	N	N	N	N
OSL 703	OSL	0	N	N	N 	N 	N	N	N	N	N N	N
OSL 704	OSE	U	N	N 	N	N 	N	N	N	М	n	** **
OSL 705	OSL	0	N	N	N	N	N 	N	N	N	N	N
OSL 713	OSL	0	N	N	N 	N	N	N	N	N	N	N
OSL 714	OSL	0	N	N 	N	N	N	N	N	N	N	N
OSL 715	OSL	0	N 	N	N N	N	N	N	N	N	N	N N
OSL 803	OSL	0	N	N 	N 	N	N	N	N	N	N	
OSL 804	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 805	OSL	0	N	N	N	N	N	N	N	N	N	N N
OSL 806	OSL	0	N	N	N	N	N	N	N	N	N N	N
OSL 807	OSL	0	N	N	N	N	N	N	N	N	N N	
OSL 813	OSL	0	N	N	N	N	N	N	N	N	N N	N
OSL 814	OSL	0	N	N	N	N	N	N	N	N	N	N N
OSL 815	OSL	0	N	N 	N	N	N	N	N	N	N	
OSL 816	OSL	0	N	N	N 	N	N	N	N	N	N	N
OSL 817	OSL	0	N	N	N	N	N	N	N	N	N	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRE85	RADON	RADNCL	PCBS	PBPNTP78	UXO
OSL 823	OSL	_ 0	N	N	N	N	N	N	N	N	N	N
OSL 824	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 830	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 831	OSL	0	N	N	Y	N	N	N	Р	N	N	N
OSL 833	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 834	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 840	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 841	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 843	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 850	OSL	0	N	N	Υ	N	N	N	P	N	N	N
OSL 851	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 853	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 854	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 860	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 861	OSL	0	N	N	Y	N	N	N	Р	N	N	N
OSL 862	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 863	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 870	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 871	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 872	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 873	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL ADAPBERM	OSL	0	P	P	P	P	N	N	N	N	N	N
OSL ADAPDF	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL ADAPEXC	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL ADAPTRCH	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL DEMBLDGS	OSL	0	N	P	N	N	N	N	N	N	N	N
OSL FB105	OSL	0	N	Y	N	N	N	N	N	N	N	N
OSL FB130	OSL	0	N	Y	N	N	N	N	N	N	N	N
OSL FUELTANKS	8 0 SL	0	N	Y	N	N	N	N	N	N	P	N
OSL H2OTANK58	10SL	0	N	N	N	N	N	N	N	N	P	N
OSL HWSTORARE	A0SL	0	P	Y	P	Y	N	N	N	N	N	N
OSL HWSTORARE	AØSL	0	Y	Y	Y	Y	N	N	N	N	N	N
OSL MAPDG	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL NEWDRMO1	OSL	0	N	N	Υ	N	N	N	P	N	N	N
OSL NEWDRMO2	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL NEWPLUME	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL NMAPTRCH	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL OFB	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFBTEMP	OSL	0	P	N	₽	N	N	N	N	N	N	N
OSL OFC	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFD1	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFD2	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFE1	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFE2	OSL	0	Υ	N	Y	N	N	N	N	N	N	N
OSL OFF	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFG	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFH	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFJ	OSL	0	Y	N	Y	N	N	N	N	N	N	·N
OSL OFK	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFL	OSL	0	Υ	N	Y	N	N	N	N	N	N	N
OSL OPENLANDW		0	N	N	N	N	N	N	N	N	N	N
OSL OPENLANDW		0	N	N	N	N	N	N	N	N	N	N
OSL OPENLANDW	-OSL	0	N	N	N	N	N	N	N	N	N	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRE85	RADON	RADNCL	PCBS	PBPNTP78	UXO
OSL PLUME	OSL	_ 0	Y	N	Y	N	N	N	N	N	N	N
OSL RAD1	OSL	0	N	N	N	N	N	N	P	N	N	N
OSL RADZ	OSL	0	N	N	N	N	N	N	P	N	N	N
OSL SMAPTRCH	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL STLIQ-A	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL STLIQ-B	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL STLIQ-C	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL SWMU 28	OSL	0	Y	Y	Y	Y	N	N	N	N	N	N
OSL SWMU 29	OSL	0	Y	Y	Y	Y	N	N	N	N	N	N
OSL TANK582AR	EASL	0	Y	N	N	N	N	N	N	N	N	N
\$-101	BLDG	1945	P	Y	N	N	Y	N	N	N	P	N
s-103	BLDG	1943	P	Y	N	N	Y	N	N	N	P	N
S-104	BLDG	1943	P	Υ .	N	N	Y	N	N	N	P	N
s-108	BLDG	1981	N	Y	N	N	Y	N	N	N	N	N
S-110	BLDG	1943	P	Y	N	N	Y	N	N	N	P	N
S-111	BLDG	1943	P	Y	N	N	Y	N	N	N	P	N
s-113	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-115	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
S-117	BLDG	1943	N	Y	N	N	Y	N	Υ	N	P	N
S-118	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
s-119	BLDG	1943	N	N	N	N	Υ .	N	N	N	P	N
S-120	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
s-121	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
s-122	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
s-123	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
S-124	BLDG	1943	P	Y	N	N	Y	N	N	N	P	N
s-125	BLDG	1943	N	Υ	N	N	Y	N	N	N ·	P	N
s-126	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
s-139	BLDG	1985	P	Y	N	N	Y	N	N	N	N	N
S-141	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
s-143	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-145	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-147	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-149	BLDG	1943	N	N	N	N	Y	N	N	N	Р	N
s-150	BLDG	1943	N	P	N	N	Y	N	N	N	P	N
s-151	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
s-152	BLDG	1943	N	P	N	N	Y	N ·	N	N	P	N
s-153	BLDG	1945	N	Y	N	N	Y	N	N	N	P	N
s-155	BLDG	1945	N	Y	N	N	Y	N	N	N	P	N
s-2008	BLDG	1958	N	N	Y	N	P	N	P	N	P	N
s-2009	BLDG	1958	N	Y	Y	N	N	N	P	N	P	N
s-2010	BLDG	1986	N	Y	Y	N	N	N	P	N	N	N
s-2025	BLDG	1943	N	N	Y	Y	N	N	P	N	P	N
s-590	BLDG	1943	N	N	N	Y	Y	N	N	N	P	N
s-592	BLDG	1943	N	N	N	N	Р	N	N	N	P	N
s-593	BLDG	0	N	N	N	N	P	N	N	N	P	N
s-595	BLDG	1944	N	Y	N	N	Y	N	N 	N	P	N
s-601	BLDG	1943	P	N	P	Y	Y	N	N	N	P	N
s-604	BLDG	1943	N	N	P 	Y	Y	N 	N	N	P	N
s-605	BLDG	1943	N	N	N	Y	Y	N	P	N	P	N
s-606	BLDG	1943	P	Y	P	Y	P	N	N	N	P	N
s-608	BLDG	1943	N	Y	P 	Y	Y	N	N	N	P	N
s-609	BLDG	1943	P	N	Y	Y	Y	N	N	N	P	N

LABEL	TYPE	YR BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRE85	RADON	RADNCL	PCBS	РВРИТР78	uxo
S-610	BLDG	1943	Р	Y	P	N	P	N	N	N	Р	N
S-610A	BLDG	0	N	N	N	N	P	N	N	N	P	N
S-611	BLDG	1943	Р	Y	P	Υ	Υ	P	N	N	P	N
S-611A	BLDG	0	N	N	N	N	P	N	N	N	P	N
S-614	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-616	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
s-617	BLDG	1943	N	N	Υ	Υ	Y	N	N	N	P	N
s-618	BLDG	1943	Р	P	P	Y	Y	N	N	N	P	N
s-620	BLDG	1943	P	N	Υ	Υ	Υ	N	P	N	P	N
s-621	BLDG	1943	N	N	N	Y	Y	N	N	N	.P	N
S-621R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
S-629	BLDG	1943	Y	Y	P	Y	Y	N	N	N	P	N
s-630	BLDG	1943	N	N	N	Υ	Y	N	P	N	P	N
s-631	BLDG	1943	N	N	P	N	Y	N	P	N	P	N
S-631R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
S-637	BLDG	1943	Y	Y	Y	Y	Y	N	P	N	P	N
s-638	BLDG	1962	P	Y	P	Y	P	N	N	N	P	N
s-639	BLDG	1943	N	Y	N	Υ	Y	N	P	N	P	N
s-640	BLDG	1943	N	N	N	N	P	N	P	N	P	N
s-641	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-641R	BLDG	0	N	P	N	N	P	N	N	N	P	N
S-647	BLDG	1943	P	Y	P	Υ	Y	N	N	N	P	N
S-647R	BLDG	0	N	Υ	N	N	Р .	N	N	N	P	N
s-649	BLDG	1943	N	N	N	N	Y	N ·	N	N	P	N
s-650	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-651	BLDG	1943	N	N	N	N	P	N	N	N	P	'n
S-651R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
s-657	BLDG	1943	N	N	N	Y	Y	N	N	N	P	N
S-657R	BLDG	.0	N	Y	N	N	P	N	N	N	P	N
s-659	BLDG	1943	N	N	P	N	Y	N	Y	Y	P	N
s-660	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-661	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
S-661R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
S-667	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-667R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
s-669	BLDG	1943	N	N	N	N	P	N	N	N	P	N
s-670	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-671	BLDG	1943	N	Υ	N	N	Y	N	N	N	P	N
s-672	BLDG	1957	N	Y	N	N	P	N	N	N	P	N
s-674	BLDG	0	N	N	N	N	P	N	N	N	P	N
s-675	BLDG	1948	N	N	N	N	P	N	N	N	P	N
s-676	BLDG	0	N	N	N	N	P	N	N	N	P	N
s-677	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
S-677R	BLDG	0	N	γ .	N	N	P	N	N	N	P	N
s-679	BLDG	1943	N	Y	P	N	Ρ.	N	N	N	P	N
s-687	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-687R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
s-689	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-694	BLDG	1977	N	N	N	N	N	N	N	N	P	N
s-697	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-699	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
s-735	BLDG	1944	N	Y	N	Y	N	N	N	N	P	N
s-752	BLDG	1964	N	N	N	N	P	N	N	N	P	N

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LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRE85	RADON	RADNCL	PCBS	PBPNTP78	UXO
s-753	BLDG	1944	N	P	N	N	Y	N	N	N	P	N
SATR	BLDG	0	N	N	N	N	N	N	N	N	N	N
SLAB	BLDG	0	N	N	N	N	N	N	N	N	N	N
T-159	BLDG	1957	N	N	N	N	P	N	N	N	P	N
T-589	BLDG	1968	N	N	N	N	Υ	N	N	N	P	N
TVHS	BLDG	0	N	N	N	N	P	N	N	N	P	N



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

999 18th STREET - SUITE 500 DENVER, COLORADO 80202-2466

July 1, 1994

Mr. Larry McFarland
BRAC Environmental Coordinator
Tooele Army Depot
SDSTE-IRE
Tooele UT 84074

Dear Mr. McFarland

On April 8, 1994, I received the final Community Environmental Response Facilitation Act Report (CERFA Report) for Tooele Army Depot - North Area (TEAD-N), and the Enhanced Preliminary Assessment Report (ENPA) for Tooele Army Depot - North Area for review. Copies of these reports were also delivered to Mr. Terry Hawkins, Utah Department of Environmental Quality (UDEQ) and BRAC Cleanup Team (BCT) representative. Mr. Hawkins' CERFA Report review comments will be forwarded to you at a later date. EPA review comments on the ENPA were provided to you when we visited in your office on May 17.

I reviewed the CERFA Report parcel characterizations in light of information contained in the ENPA and other documents in our office files. In addition, you provided Terry Hawkins and me with several opportunities to tour the installation and discuss its various features with you. Based on that review, and without any independent investigation or verification of parcel determinations presented in this CERFA Report, I concur, with exceptions noted below, with classifications assigned by AGEISS Environmental, Inc. to the various TEAD-N excessed area parcels in accordance with the provisions of section 120(h)(4)(A) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and pursuant to EPA Region VIII delegation 14-39. Where I have noted exceptions to AGEISS clean parcel determinations, actual ownership transfer of the disputed acreage will proceed according to processes developed pursuant to CERCLA 120(h)(3).

Parcel 1D through 7D:

I concur with the classification assigned to parcels 1D through 7D. Those parcels were disqualified due, mostly, either to historical usage of areas within the parcels or, with respect to parcel 1D, the presence of a contaminant plume in the underlying aquifer. As we discussed during my visit on June 2, I am also assuming a CERFA disqualified classification for the

additional acreage which was added to the west side of the industrial area (as shown on the 03/16/94 CERFA Parcel Designation Map 5-1) as a result of the recent, formal survey of the TEAD-N excessed areas.

Parcel 2D:

I do not concur with the 'P' classification for the two acre block immediately south of parcel 2D. Because of their proximity to parcel 2D, I consider it likely this acreage will be contaminated to the same extent as parcel 2D. This acreage should carry the same classification as parcel 2D until field truthing its environmental state.

Parcel 80:

I concur with classification of parcel 8Q with the exception of building 632 and, possibly, building 624. A recycled industrial water (holding) tank and an associated structure (building 632) receive treated water from the Industrial Wastewater Treatment Plant (IWTP) for storage prior to reuse in the maintenance area. Classification of this portion of parcel 8Q shall be based on and consistent with RCRA classification of the water pumped from the IWTP and stored in the holding tank.

In section 5.0 of the CERFA Report, AGEISS repeated the US Army Environmental Center (USAEC) guidance for determining parcel classification in 'specific circumstances':

"Storage of petroleum products...prevent an area from becoming a CERFA parcel as long as that storage is for 1 year or greater. The quantity...is not relevant... However, if the operation requiring such substances is in the immediate area, and the storage is in limited quantities for immediate use, the area is not precluded from being a CERFA parcel."

The CERFA Report states in section 3.2.1.8 that, with respect to a maintenance shed (building 624?) at the Combat Vehicle Test Facility, "Significant quantities of hazardous substances...were not observed... nor were indications of poor housekeeping...". Magnitude (quantity) of a hazardous substance present in October 1993 is not a CERFA-qualifying determinant - a release event, absence, or presence for one year or more is. USAEC should reevaluate the parcel 8Q classification based on its definition and use of the term 'significant', and actual practices at and around building 624.

Parcel 150:

I do not concur with classification of parcel 15Q-A(P)/L(P). Based on the USAEC evaluation criteria, the chosen classification for this parcel is appropriate when applied to buildings 159 through 163. It is inappropriate, however, when applied to the balance of the Trap and Skeet Range as outlined on the CERFA Parcel Designation Map 5-1. This Range is likely contaminated with lead shot rather than lead-based paint, and ground truthing will be necessary to determine extent of contamination.

Parcel 21P:

I do not concur with classification of parcel 21P along the east boundary of the industrial area, specifically in the area of Open Storage Lot(s) (OSL) 854, 863 and 873. A large petroleum storage tank, estimated size to be in excess of 20,000 gallons, exists in the BRAC parcel, immediately inside the perimeter fence, on OSL 854. Although the tank, apparently, has been there for some time, no mention of it is included in the CERFA Report or the ENPA. Existence of this tank is sufficient cause to modify classification of acreage in the tank's immediate vicinity. In addition, the CERFA Report does not mention possible parcel contamination in the area north of the tank from a salvage operation immediately outside the perimeter fence. Concerns raised by Mr. Brad Maulding, UDEQ - RCRA program, as documented in the ENPA, about contamination entering the installation from this privately-owned salvage yard adjacent to the BRAC parcel were not addressed or evaluated in the CERFA Report. In my opinion, the windshield survey conducted by AGEISS in October 1993 would not have found installation run-on problems, if they exist. TEAD-N should initiate additional characterization of environmental conditions along the east perimeter fence. CERFA classification of acreage along the east perimeter fence, in the vicinity of OSL 854, 863, and 873 must wait until ground truthing is completed.

Parcel 22P:

I do not concur with classification of parcel 22P. Maps and text in the ENPA, and the Final (RCRA) Phase 1 Facility Investigation Report, with respect to the Defense Reutilization and Marketing Office (DRMO) area, report hazardous substances contamination generally throughout the area, which, according to maps in the ENPA, includes parcel 22P. Therefore, this acreage should be included with and become a part of parcel 1D.

Parcel 25P:

I do not concur with classification of parcel 25P in the old housing area south of the Main Entrance Road. To date we have not found any information on methods originally used to heat structures in the old housing area. Assuming fuel oil may have been used in the installation's early years (with underground storage tanks a distinct possibility), I recommend TEAD-N conduct investigations designed to detect and identify underground tanks (i.e., a magnetometer sweep) in the area before proposing parcel characterization.

I have no information about, and neither the CERFA Report nor the ENPA addressed the possibility of pesticides and/or herbicides (containing hazardous substances) being applied in the excessed parcels (i. e., lawn fertilizers or weed killers). With respect to such possible application, I concur with parcel 25P characterization, except as otherwise noted above, because I have no information indicating that residual levels of pesticides or herbicides, if any, present a threat to human health or the environment. However, prior to transferring any portion of this parcel, I recommend TEAD-N provide positive confirmation that residual levels, if any, do not pose a threat to human health or the environment.

I would be happy to discuss these issues with you at any time, or review any additional information you may wish to present. Please call me at 303/294-1978.

Sincerely yours,

Hord N M A

Floyd D. Nichols

BRAC Project Manager

cc: Steven Moores, 8RC
Louis Johnson, 8HWM-FF
Ken Quirk, USAEC
Terry Hawkins, UDEQ
Bob Carr, for AA-OSWER



Michael O. Leavitt Governor Dianne R. Nielson, Ph.D. Becautive Director Kent P. Gray

State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION

168 North 1950 West lat Floor Salt Lake City, Umh 84116 (801) 536-4100 (801) 359-8853 Fax (801) 536-4414 T.D.D.

ERRC-230-94

July 7, 1994

Larry McFarland
Environmental Management Division
Tooele Army Depot. SDSTE-IRE, Building 113
Tooele, Utah 84074-5000

Dear Mr. McFarland:

Enclosed are the Division of Environmental Response and Remediation's (DERR's) comments on the Draft Final Community Environmental Response Facilitation Act (CERFA) Report and the Draft Final Enhanced Preliminary Assessment Report (ENPA) for Tooele Army Depot-North Area, March 18, 1994.

The State is supportive of early reuse of closed military property. However, we would like to express some concern about the Base Realignment and Closure (BRAC) process at Tooele Army Depot, specifically with the adequacy of the CERFA investigation to identify potential contaminant releases and the lack of coordination with the State in BRAC planning.

We concur with the CERFA classification to the BRAC parcel, except as noted by EPA. However, we are concerned that the CERFA report may not adequately identify all potential contamination and that document review may not have been as thorough as it should have been. For example, the first document on page 11 in Table 2-1 (List of Maps and Documents Reviewed for TEAD-N CERFA Investigation) identifies radioactive materials storage areas not addressed in the CERFA report. Also, the use of a 50 ppm PCB level as a screening tool may result in the designation of a CERFA-qualified parcel that would not meet CERCLA clean-up requirements.

Another concern is the lack of coordination with the State. With the State having a major role in the environmental restoration at federal facilities, it is disconcerting that we were not involved in early BRAC planning. Also, many early BRAC documents were submitted to this office with unrealistic review deadlines (eg., 1 week, 2 days, etc.). We strongly suggests that BRAC issues be identified early and coordinated with the State. Timely coordination between the State and the Army is key in achieving early reuse of closed military property.

Larry McFarland Page 2 July 7, 1994

If you have any questions, contact Terry Hawkins at (801)-536-4100.

Sincerely,

Brad T Johnson, CERCLA Branch Manager Division of Environmental Response and Remediation

BTJ/TH/ser

Enclosure(s)

cc: Floyd Nichols, EPA BRAC Coordinator
Myron Bateman, R.S., M.P.A., Health Officer, Toocle County Health Department

DRAFT FINAL COMMUNITY ENVIRONMENTAL RESPONSE FACILITATION ACT (CERFA) REPORT FOR TOOELE ARMY DEPOT - NORTH AREA

General Comments:

1. Several locations in the CERFA report refer to a 50 ppm PCB level for Federal and State regulatory thresholds. Please be aware that CERCLA may require risk based clean up levels for PCBs. EPA CERCLA guidance (EPA/540/G-90/007) recommends preliminary Remediation goals of 1 ppm (residential) and 10 - 25 ppm (industrial) for PCBs. Therefore evaluation of sites based on a 50 ppm PCB level may result in the designation of a CERFA-qualified parcel that would not meet CERCLA clean-up standards. Please evaluate PCB sites appropriately.

Specific Comments:

- 1. Page 44. Section 4.2.1.1, last sentence. See general comment 1.
- 2. Page 48. Section 4.3.3. Page 33 of The Installation Assessment of Tooele Army Depot. Report No. 141, 1979, identifies buildings 605, 637, and MRSS4 (previously located west of building 630, where the new Consolidated Maintenance Facility Building is now located) as storing radioactive materials. Page 34 also identifies 2 storage tanks that contained tritium gas. Please address these sites. In the 2nd sentence the word "itrium" should be replaced with "tritium".
- 3. Page 48. Section 4.3.4, paragraphs 1, 2, 5, and 6. See general comment 1.



Michael O. Leavitt Governor Dianne R. Nielson, Ph.D. Executive Director Kent P. Gray Director

State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION

168 North 1950 West P.O. Box 144840 Salt Lake City, Utah 84114-4840 (801) 536-4100 (801) 359-8853 Fax (801) 536-4414 T.D.D.

ERRC-415-94

September 20, 1994

Mr. Ken Quirk
U.S. Army Environmental Center (USAEC)
APG-EA, MD 21010-5401

Dear Mr. Quirk:

The draft response to our comments on the Draft Final Enhanced Preliminary Assessment (ENPA) and the Draft Final Community Environmental Response Facilitation Act (CERFA) Report appears to adequately address the comments with the exception of specific comments 4 and 6 of the ENPA. Also, a potential problem was identified concerning parcel 25P of the CERFA Report.

The response to Comment #4 should include a statement in the text that other environmental authorities, besides CERCLA, may be involved in the closure of building 659. The Environmental Protection Agency and the State decided that "no action" was appropriate under CERCLA based upon the assumption that the building would be closed under NRC, TSCA, and RCRA regulations. Samples have not been taken in building 659 and a risk assessment has not been conducted. On page 48, Section 3.14.1.3, the last sentence indicates that a risk assessment was conducted for Solid Waste Management Unit (SWMU) 33. This is not correct. Please correct the sentence.

The response to Comment #6 indicates that the barracks are not intended for residential habitation. It is our understanding that several federal organizations and the Soviet On-site Inspection Agency have expressed interest in use of these buildings and that the intended use by these organizations has not been defined. Please identify the intended use of these buildings prior to deciding that lead-based paint is not an area requiring environmental evaluation.

Be aware that SWMU 35, which is adjacent to parcel 25P, is being investigated for pesticides. Ten mg/kg of chlordane was detected in a soil sample from a ditch down-gradient of the horse stables. No samples were taken up-gradient of this sample location during the Phase I investigation. There is a potential that pesticides may be a concern in parcel 25P. Please evaluate potential pesticide contamination within parcel 25P.

Mr. Ken Quirk September 20, 1994 Page 2

If you have any questions, contact Terry Hawkins at (801)-536-4100.

Sincerely,

Brad T Johnson, CERCLA Branch Manager

Division of Environmental Response and Remediation

BTJ/TH/ser

cc: Floyd Nichols, U.S. EPA, Region VIII

Larry McFarland, TEAD-N

Mary Ellen Maly, USAEC Project Manager

Myron Bateman, R.S., M.P.A., Director, Tooele County Health Department

Response to Comments on Draft Final Community Environmental Response Facilitation Act (CERFA) Report

Commentor:

Brad T. Johnson

CERCLA Branch Manager

Utah Division of Environmental Response and Remediation

July 7, 1994

General Comments

Comment 1:

Several locations in the CERFA report refer to a 50 ppm PCB level for Federal and State regulatory thresholds. Please be aware that CERCLA may require risk based clean up levels for PCBs. EPA CERCLA guidance (EPA/540/G-90/007) recommends preliminary remediation goals of 1 ppm (residential) and 10-25 ppm (industrial) for PCBs. Therefore evaluation of sites based on a 50 ppm PCB level may result in the designation of a CERFA-qualified parcel that would not meet CERCLA clean-up standards. Please evaluate PCB sites

appropriately.

Response:

Per appropriate Army guidance, PCB storage areas where there is no evidence of leakage or other PCB release will be classified as CERFA qualified if PCB concentrations are greater than or equal to the State and Federal regulatory threshold of 50 ppm. However, all sites where a PCB release has occurred will be classified as CERFA disqualified to ensure that classification is conducted in

accordance with EPA CERCLA guidance.

Specific Comments

Comment 1:

Page 44, Section 4.2.1.1, last sentence. See general comment 1.

Response:

Per appropriate Army guidance, PCB storage areas where there is no evidence of leakage or other PCB release will be classified as CERFA qualified if PCB concentrations are greater than or equal to the State and Federal regulatory threshold of 50 ppm. However, all sites where a PCB release has occurred will be classified as CERFA disqualified to ensure that classification is conducted in

accordance with EPA CERCLA guidance.

Comment 2:

Page 48, Section 4.3.3. Page 33 of The Installation Assessment of Tooele Army Depot Report No. 141, 1979, identifies buildings 605, 637, and MR554 (previously located west of building 630, where the new Consolidated Maintenance Facility Building is now located) as storing radioactive materials. Page 34 also identifies 2 storage tanks that contained tritium gas. Please address those sites. In the 2nd sentence the word "itrium" should be replaced

with "tritium."

Response:

These sites have been addressed and the text has been modified as requested. Historical information indicates that radionuclides formerly present in these buildings have been completely removed; however, in the absence of radiation survey information confirming that radionuclides are no longer present, these structures have been categorized as CERFA qualified due to the possible

presence of radionuclides.

Comment 3:

Page 48, Section 4.3.4, paragraphs 1, 2, 5, and 6. See general comment 1.

Response:

Per appropriate Army guidance, PCB storage areas where there is no evidence of leakage or other PCB release will be classified as CERFA qualified if PCB concentrations are greater than or equal to the State and Federal regulatory threshold of 50 ppm. However, all sites where a PCB release has occurred will be classified as CERFA disqualified to ensure that classification is conducted in accordance with EPA CERCLA guidance.

Commentor:

Brad T. Johnson

CERCLA Branch Manager

Utah Division of Environmental Response and Remediation

September 20, 1994

General Comments

Comment 1:

The response to Comment #4 should include a statement in the text that other environmental authorities, besides CERCLA, may be involved in the closure of building 659. The Environmental Protection Agency and the State decided "no action" was appropriate under CERCLA based upon the assumption that the building would be closed under NRC, TSCA, and RCRA regulations. On page 48, Section 3.14.1.3, the last sentence indicates that a risk assessment was conducted for Solid Waste Management Unit (SWMU) 33. This is not correct.

Please correct the sentence.

Response:

The ENPA text has been modified as requested.

Comment 2:

The response to Comment #6 indicates that the barracks are not intended for residential habitation. It is our understanding that several federal organizations and the Soviet On-site Inspection Agency have expressed interest in use of these buildings and that the intended use by these organizations has not been defined. Please identify the intended use of these building prior to deciding

lead-based paint is not an area requiring environmental evaluation.

Response:

The ENPA text has been modified to address this issue.

Comment 3:

Be aware that SWMU 35, which is adjacent to parcel 25P, is being investigated for pesticides. Ten mg/kg of chlordane was detected in a soil sample from a ditch down-gradient of the horse stables. No samples were taken up-gradient of this sample location during the Phase I investigation. There is a potential that pesticides may be a concern in parcel 25P. Please evaluate potential pesticide contamination within parcel 25P.

Response:

Preliminary Phase II sample results were evaluated. Pesticides were detected at concentrations less than 1 mg/kg within parcel 25P. Such concentrations may be indicative of normal pesticide application, and therefore this area has not been designated as qualified or disqualified with respect to CERFA.

Commentor:

Floyd D. Nichols

BRAC Project Manager

U.S. Environmental Protection Agency

July 1, 1994

Parcel 1D through 7D: I concur with the classification assigned to parcels 1D through 7D. Those parcels were disqualified due, mostly, either to historical usage of areas within the parcels or, with respect to parcel 1D, the presence of a contaminant plume in the underlying aquifer. As we discussed during my visit on June 2, I am also assuming a CERFA disqualified classification for the additional acreage which was added to the west side of the industrial area (as shown on the 3/16/94 CERFA Parcel Designation Map 5-1) as a result of the recent, formal survey of the TEAD-N excessed areas.

Response:

The additional acreage to the southwest of the BRAC has been incorporated into the final report. The BRAC parcel shown in the final report is based on the recent survey of the parcel. The CERFA classification of the expanded BRAC parcel was conducted in accordance with all Army CERFA guidance.

Parcel 2D:

I do not concur with the 'P' classification for the two acre block immediately south of parcel 2D. Because of their proximity to parcel 2D, I consider it likely this acreage will be contaminated to the same extent as parcel 2D. This acreage should carry the same classification as parcel 2D until field truthing its environmental state.

Response:

The CERFA classification is accomplished through a rigorous analysis utilizing Geographic Information System in accordance with Army guidance. Using this methodology consistently, acreage is not considered disqualified on the basis of being located adjacent to other disqualified parcels. The CERFA process ensures that parcels are classified conservatively, as any portion of a disqualified or qualified area which is present within any one-acre grid square overlying the BRAC parcel renders the entire one-acre grid square disqualified or qualified. As such, there is a larger disqualified area around the northern portion of the disturbed ground which necessitates parcel 2D, relative to the southern portion of this parcel. Additionally, the disqualification of parcel 2D is based on "possible" releases, which add to the conservative nature of the parcel designation. Therefore, the parcel shall remain the same size.

Parcel 8Q:

I concur with classification of parcel 8Q with the exception of building 632 and, possibly, building 624. A recycled industrial water (holding) tank and an associated structure (building 632) receive treated water from the Industrial Wastewater Treatment Plant (IWTP) for storage prior to reuse in the maintenance area. Classification of this portion of parcel 8Q shall be based on and consistent with RCRA classification of the water pumped from the IWTP and stored in the holding tank.

In section 5.0 of the CERFA Report, AGEISS repeated the US Army Environmental Center (USAEC) guidance for determining parcel classification in 'specific circumstances':

> "Storage of petroleum products...prevent an area from becoming a CERFA parcel as long as that storage is for 1 year or greater. The

quantity...is not relevant...However, if the operation requiring such substances is in the immediate area, and the storage is in limited quantities for immediate use, the area is not precluded from being a CERFA parcel."

The CERFA Report states in section 3.2.1.8 that, with respect to a maintenance shed (building 624?) at the Combat Vehicle Test Facility, "Significant quantities of hazardous substances...were not observed...nor were indications of poor housekeeping...". Magnitude (quantity) of a hazardous substance present in October 1993 is not a CERFA-qualifying determinant - a release event, absence, or presence for one year or more is. USAEC should reevaluate the parcel 8Q classification based on its definition and use of the term 'significant', and actual practices at and around building 624.

Response:

The holding tank which receives recycled industrial water from the IWTP and the associated structure (building 632) are properly classified as CERFA qualified. Results from analysis of recycled industrial water samples confirm that these structures are not used for RCRA hazardous substance/waste or petroleum storage, and thus are not classified as CERFA disqualified.

The text that describes Building 624 has been revised to remove all references to magnitude (quantity). The area was properly designated as qualified, since bulk storage or any release of hazardous substances or petroleum products was not documented or suspected at Building 624.

Parcel 15Q:

I do not concur with classification of parcel 15Q-A(P)/L(P). Based on the USAEC evaluation criteria, the chosen classification for this parcel is appropriate when applied to buildings 159 through 163. It is inappropriate, however, when applied to the balance of the Trap and Skeet Range as outlined on the CERFA Parcel Designation Map 5-1. This Range is likely contaminated with lead shot rather than lead-based paint, and ground truthing will be necessary to determine extent of contamination.

Response:

Installation personnel from the TEAD Environmental Office have indicated that a steel shot rule has always been in effect at the Trap and Skeet Range, which prohibits use of lead shot. Therefore, lead shot is not considered a concern, and the parcel will not be disqualified or qualified with respect to lead shot or lead-based paint.

Parcel 21P:

I do not concur with classification of parcel 21P along the east boundary of the industrial area, specifically in the area of Open Storage Lot (s) (OSL) 854, 863, and 873. A large petroleum storage tank, estimated size to be in excess of 20,000 gallons, exists in the BRAC parcel, immediately inside the perimeter fence, on OSL 854. Although the tank, apparently, has been there for some time, no mention of it is included in the CERFA Report or the ENPA. Existence of this tank is sufficient cause to modify classification of acreage in the tank's immediate vicinity. In addition, the CERFA Report does not mention possible parcel contamination in the area north of the tank from a salvage operation immediately outside the perimeter fence. Concerns raised by Mr. Brad Maulding, UDEQ-RCRA Program, as documented in the ENPA, about contamination entering the installation from this privately-owned salvage yard adjacent to the BRAC parcel were not addressed or evaluated in the CERFA

Report. In my opinion, the windshield survey conducted by AGEISS in October 1993 would not have found installation run-on problems, if the exist. TEAD-N should initiate additional characterization of environmental conditions along the east perimeter fence. CERFA classification of acreage along the east perimeter fence, in the vicinity of OSL 854, 863, and 873 must wait until ground truthing is completed.

Response:

The area which encompasses the large petroleum tank will be included in the BRAC parcel. The tank itself will be classified as disqualified based on petroleum storage. The immediate fenced area surrounding the petroleum tank will also be is classified as disqualified, due to reported minor incidents of overfilling which occurred in the past. The petroleum tank and the surrounding area were inspected during AGEISS' on-site survey of the BRAC parcel; however, no evidence of contamination impacting other areas of the BRAC parcel or the surrounding area was observed or reported associated with this tank.

Concerning the off-site area north of the tank, no evidence exists to indicate that contamination from the salvage yard may be impacting the BRAC. Mr. Maulding's general opinion expressed during the CERFA investigation was that salvage yards may produce contamination; however, the State does not have any information to indicate there is a problem with the specific salvage yard located east of TEAD-N. In addition to the windshield survey performed to inspect this salvage yard, additional Installation, Federal, State, and Local (including the Tooele County Health Department) regulatory personnel interviews and file searches were performed to further investigate the potential for salvage yard contamination entering the BRAC parcel. No evidence of any potential salvage yard contamination entering the BRAC was discovered during this exhaustive search. Therefore, per Army guidance, no additional investigation of the area for potential salvage yard contamination is required.

Parcel 22P:

I do not concur with classification of parcel 22P. Maps and text in the ENPA and the Final (RCRA) Phase 1 Facility Investigation Report, with respect to the Defense Reutilization and Marketing office (DRMO) area, report hazardous substances contamination generally throughout the area, which, according to maps in the ENPA, includes parcel 22P. Therefore, this acreage should be included with and become a part of parcel 1D.

Response:

The area formerly designated as parcel 22P will be re-classified as disqualified based on further evaluation of the extent of contamination associated with the DRMO.

Parcel 25P:

I do not concur with classification of parcel 25P in the old housing area south of the Main Entrance Road. To date, we have not found any information on methods originally used to heat structures in the old housing area. Assuming fuel oil may have been used in the installation's early years (with underground storage tanks a distinct possibility), I recommend TEAD-N conduct investigations designed to detect and identify underground tanks (i.e., a magnetometer sweep) in the area before proposing parcel characterization.

Response:

The area south of the Main Entrance Road that was formerly used for housing has been re-classified as disqualified based on possible petroleum storage

I:\AEC_TEP\DO1\FINAL.CER\Comment.CER Rev. 09/28/94; 3:34pm which potentially occurred in old heating oil tanks that may or may not still remain. The boundaries of the area designated as disqualified was determined based on the maximum former extent of the demolished base housing tract presented on aerial photographs.

Comment:

I have no information about, and neither the CERFA Report nor the ENPA addressed the possibility of pesticides and/or herbicides (containing hazardous substances) being applied in the excessed parcels (i.e., lawn fertilizers or weed killers). With respect to such possible application, I concur with parcel 25P characterization, except as otherwise notes above, because I have no information indicating that residual levels of pesticides or herbicides, if any, present a threat to human health or the environment. However, prior to transferring any portion of this parcel, I recommend TEAD-N provide positive confirmation that residual levels, if any, do not pose a threat to human health or the environment.

Response:

Per Army guidance, CERFA does not address routine application of pesticides and/or herbicides for their intended use.



Michael O. Leavitt Covernor Dianne R. Nielson, Ph.D. Executive Ducctor

Kent P. Gray

State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION

168 North 1950 West P.O. Box 144840 Salt Lake City, Utah 84114-4840 (801) 536-4100 (801) 359-8853 Fax (801) 536-4414 T.D.D.



December 9, 1994

Mr. Larry McFarland Environmental Management Division Tooele Army Depot. SESTE-IRE, Building 113 Tooele, Utah 84057-5000

Dear Mr. McFarland:

The Division of Environmental Response and Remediation (DERR) has three comments on the Final Community Environmental Response Facilitation Act (CERFA) Report and the Final Enhanced Preliminary Assessment (ENPA) Report for Tooele Army Depot-North Area, October 5, 1994.

ENPA - Fage 50, Section 3.11.1, last sentence. Though the last sentence may be correct, it would be better to state that there were no leaking transformers identified in the BRAC parcel as stated in the CERFA report on page 57. Section 4.3.4, second paragraph, second sentence. (A leaking transformer regardless of the PCB concentration may be of concern under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)).

CERFA - Page 69, Table 5-1, Parcel 2D-PR(P)HR(P). This parcel has been identified as CERFA disqualified based upon aerial photographic analysis; however, no additional studies/remediation efforts are proposed. Please evaluate the need for additional study at this site.

CERFA - Page 72, Table 5-1, Parcel 6D-PR(P)HR(P). This parcel has been identified as CERFA disqualified based upon aerial photographic analysis; however, no additional studies/remediation efforts are proposed. Please evaluate the need for additional study at this site.

If you have any questions, contact Terry Hawkins at (801)-536-4100.

Sincerely,

Brad T Johnson, CERCLA Branch Manager

Division of Environmental Response and Remediation

BTJ/TH/scr

Floyd Nichols, U.S. EPA Region VIII

Myron Bateman, R.S., M.P.A., Tooele County Health Department



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION VIII

999 18th STREET - SUITE 500 DENVER, COLORADO 80202-2466

December 29, 1994

Mr. Larry McFarland
BRAC Environmental Coordinator
Tooele Army Depot
SDSTE-IRE
Tooele, UT 84074

Dear Mr. McFarland:

On October 31, 1994, I received the revised TEAD-N (10/05/94) CERFA Report and the revised (10/05/94) ENPA Report for review.

I first commented on these Reports in my July 1, 1994, letter to you. Following that response, I had subsequent discussions about those comments with you and Ken Quirk, U.S. Army Environmental Center (USAEC). Upon review of the October!, 1994 revisions, I agree most of my original comments have been adequately iddressed. However, concerns expressed in my initial response have not been satisfactorily addressed for:

Parcel 2D:

The AE! response to my original comment is valid, to a point. The grid utilized on the CERFA Parcel Designation Map 5 1 was is an arbitrary overlay of a TEAD-N base map. Therefore, there can be no exact correlation between grid lines and any particular area of suspected (or hypothetical) contamination, without further investigative efforts. A correlation can be made, however, between grid lines and outstanding physical features, the primary reason for my original comment. Therefore, my original comment stands.

At the conclusion of my July 1, 1994 letter, I expressed, without particular specificity, reservations about pesticide using the various BRAC parcels. The AEC response stated, "...CERF, does not address routine application of pesticides and/or herbicides for their intended use." My original comment remains valid from the standpoint of any non-routine applications as well as any storage, blending and/or mixing areas identified in the

BRAT parcels.

If you have any questions, please call me at 303/294-1978.

Sincerely,

Floyd D. Nichols BRAC Project Manager

SydD. Will

cc: Steven Moores, 8RC Louis Johnson, 8HWM-FF Ken Quirk, USAEC

Terry lawkins, UDEQ Sven Erik-Raiser, FFRRO

Response to Comments on Final Community Environmental Response Facilitation Act (CERFA) Report

Commentor:

Brad T. Johnson

CERCLA Branch Manager

Utah Division of Environmental Response and Remediation

December 9, 1994

Comment 1:

ENPA - Page 50, Section 3.11.1, last sentence. Though the last sentence may be correct, it would be better to state that there were no leaking transformers identified in the BRAC parcel as stated in the CERFA report on page 57, Section 4.3.4, second paragraph, second sentence. (A leaking transformer regardless of the PCB

concentration may be of concern under the Comprehensive Environmental Response,

Compensation, and Liability Act (CERCLA)).

Response:

The Final ENPA Report text has been modified as requested in an addendum

submitted on January 30, 1995.

Comment 2:

CERFA - Page 69, Table 5-1, Parcel 2D-PR(P)HR(P). This parcel has been identified as CERFA disqualified based upon aerial photographic analysis; however, no additional studies/remediation efforts are proposed. Please evaluate the need for additional study

at this site.

Response:

CERFA Table 5-1 has been modified as requested in an addendum sumitted on

January 30, 1995.

Comment 3:

CERFA - Page 72, Table 5-1, Parcel 6D-PR(P)HR(P). This parcel has been identified as CERFA disqualified based upon aerial photographic analysis; however, no additional studies/remediation efforts are proposed. Please evaluate the need for additional study

at this site.

Response:

No additional studies or remediation efforts are proposed associated with Parcel 6D-PR(P)HR(P), as the results of ground truthing conducted by the TEAD-N Environmental Management Division personnel did not indicate the need for additional investigation of this area. This information and the resulting conclusion were presented to the Utah Department of Environmental Quality in a correspondence from the TEAD-N

Environmental Management Division dated May 10, 1994.

Commentor:

Floyd D. Nichols

BRAC Project Manager

U.S. Environmental Protection Agency

December 29, 1994

Comment 1:

Parcel 2D: The AEC response to my original comment is valid, to a point. The grid utilized on the CERFA Parcel Designation Map 5-1 was is an arbitrary overlay of a TEAD-N base map. Therefore, there can be no exact correlation between grid lines and any particular area of suspected (or hypothetical) contamination, without further investigative efforts. A correlation can be made; however, between grid lines and outstanding physical features, the primary reason for my original comment. Therefore,

my original comment stands.

Response:

The two acres immediately south of Parcel 2D-PR(P)/HR(P) have been added to Parcel 2D-PR(P)/HR(P), per Mr. Nichols' original comment. Details regarding this revision are

provided in an addendum submitted on January 30, 1995.

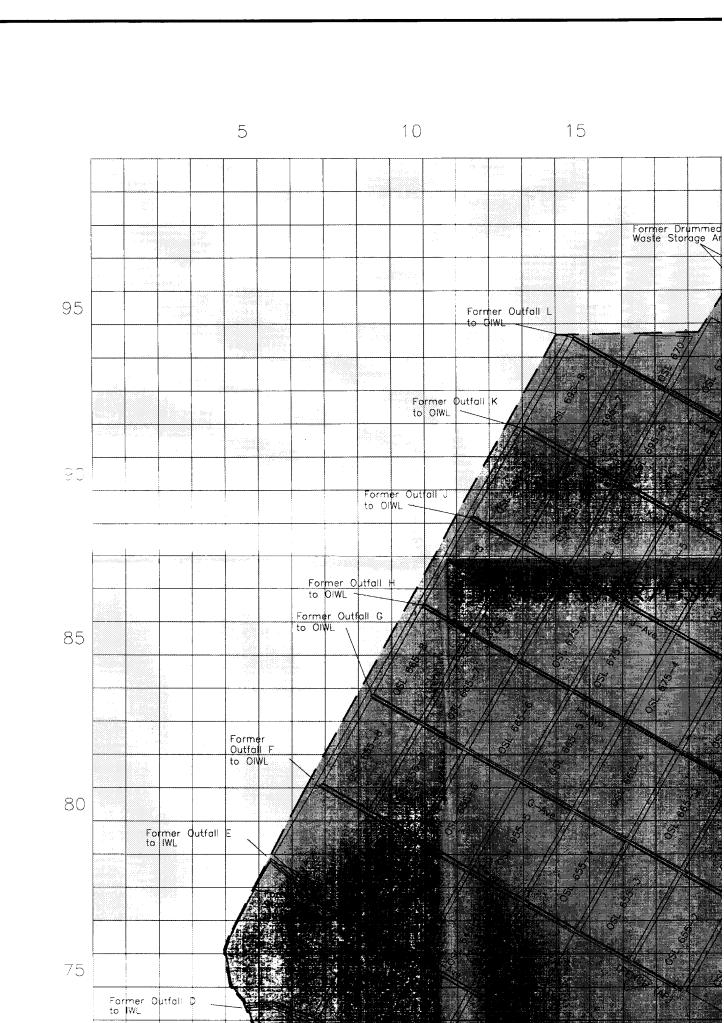
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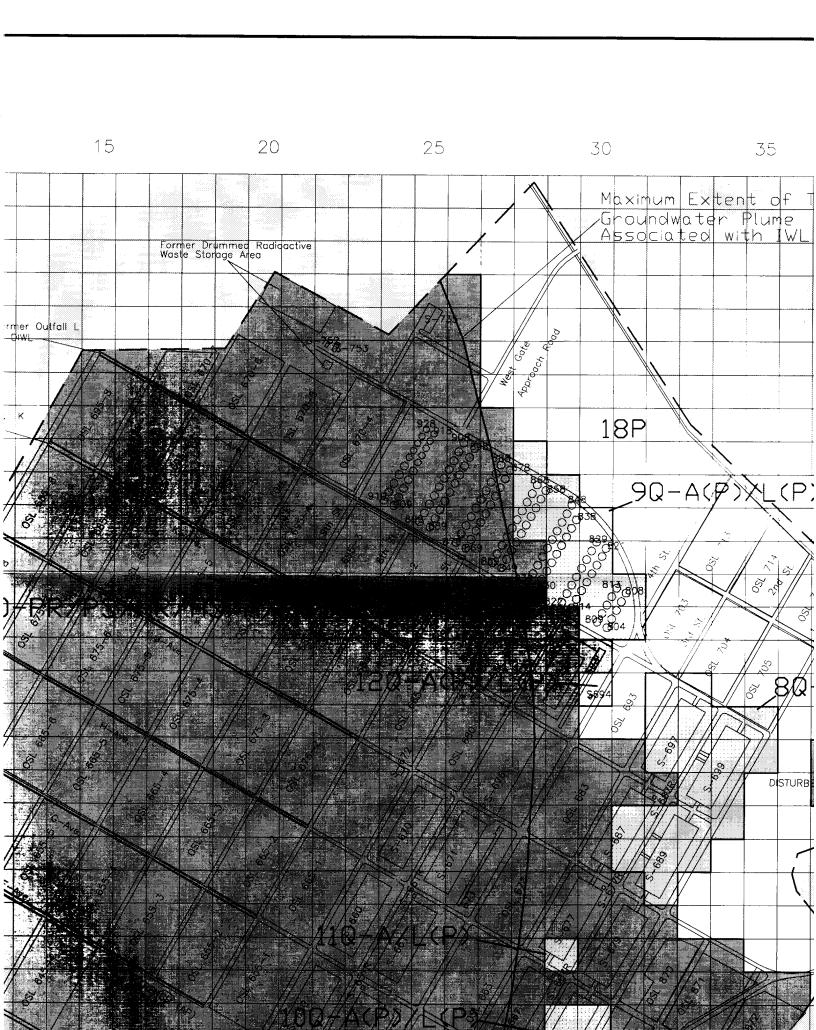
At the conclusion of my July 1, 1994 letter, I expressed, without particular specificity, reservations about pesticide use in the various BRAC parcels. The AEC response stated, "...CERFA does not address routine application of pesticides and/or herbicides for their intended use." My original comment remains valid from the standpoint of any non-routine applications as well as any storage, blending and/or mixing areas identified in the BRAC parcels.

Response:

No evidence of non-routine use of pesticides in the TEAD-N BRAC parcel was obtained during the CERFA investigation. Mr. Larry McFarland, the TEAD-N BRAC Environmental Coordinator, was also consulted to verify this information. Mr. McFarland has no knowledge of any past or present non-routine pesticide use conducted in any area of the BRAC parcel, including storage, mixing, and/or blending of pesticides.

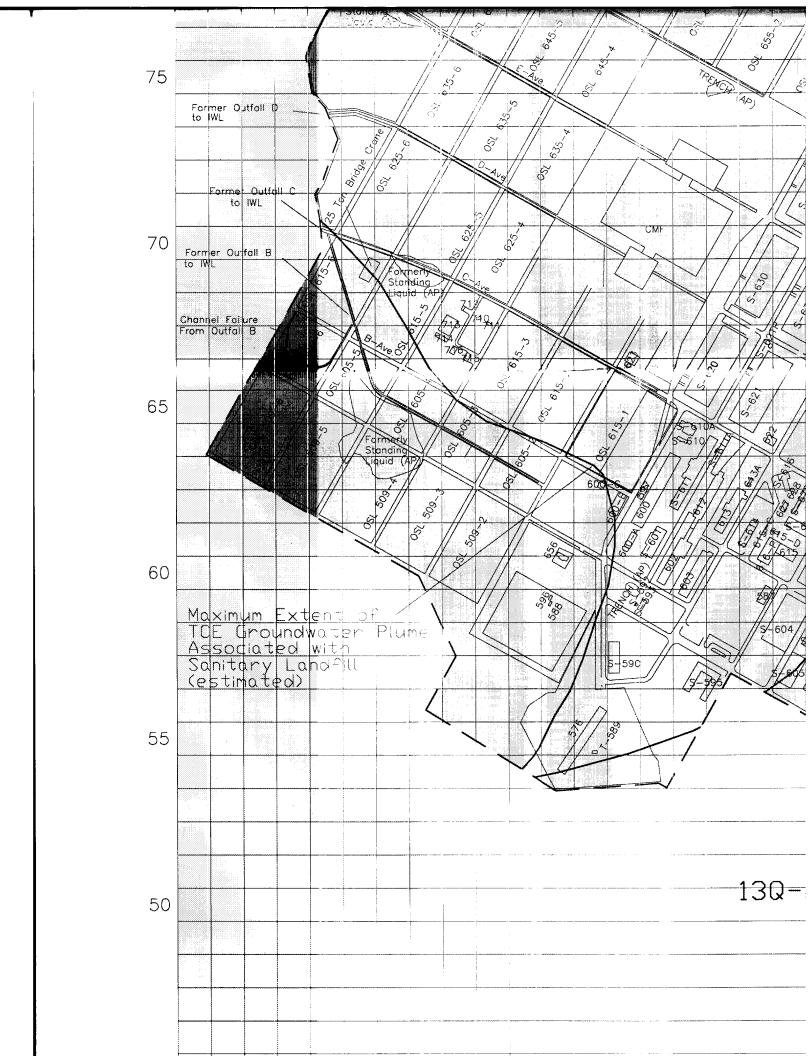
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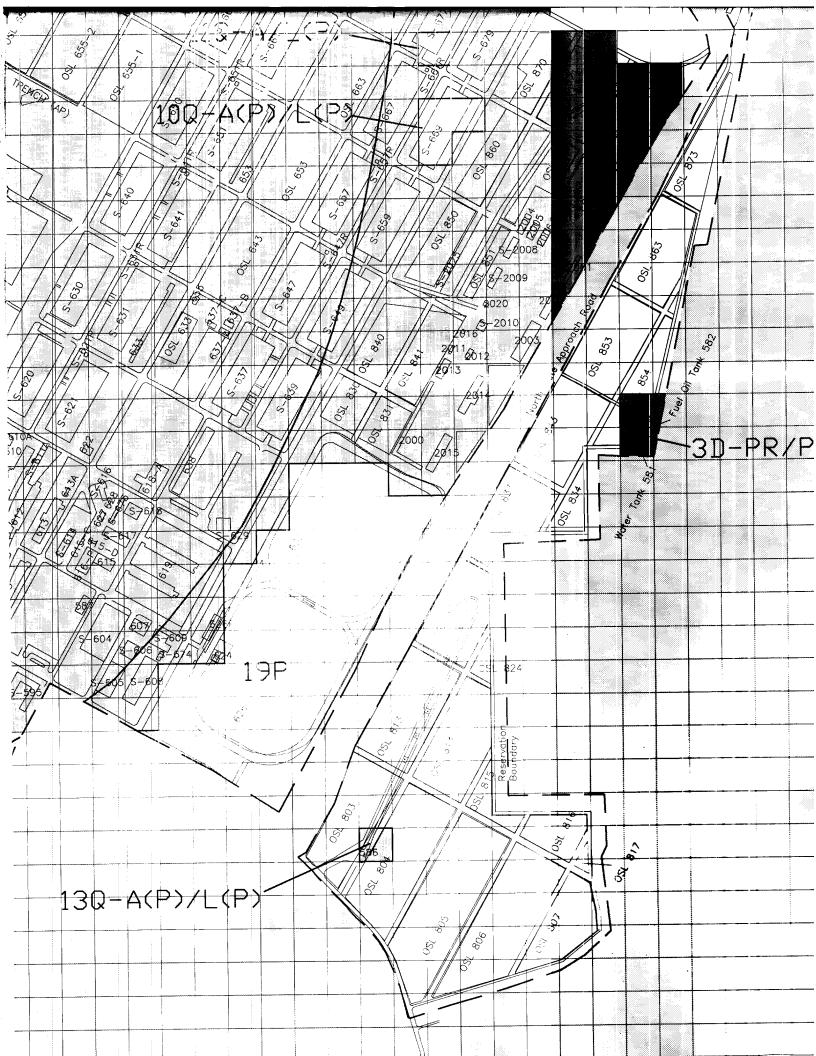




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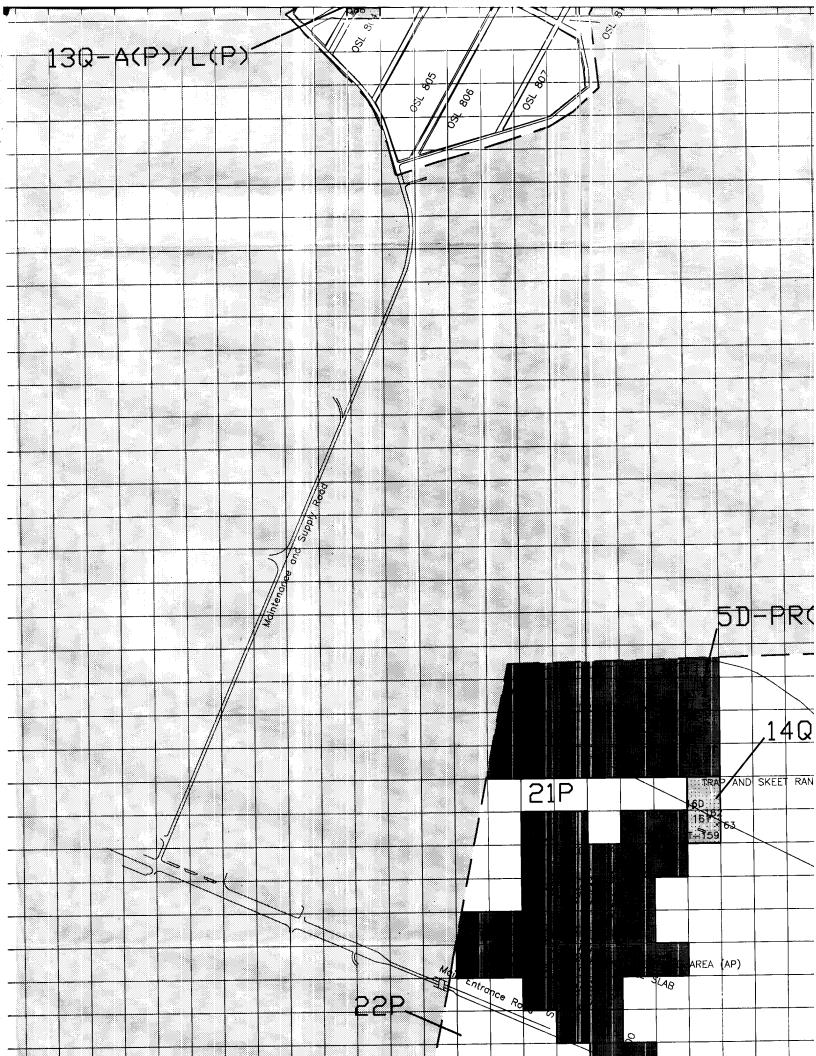
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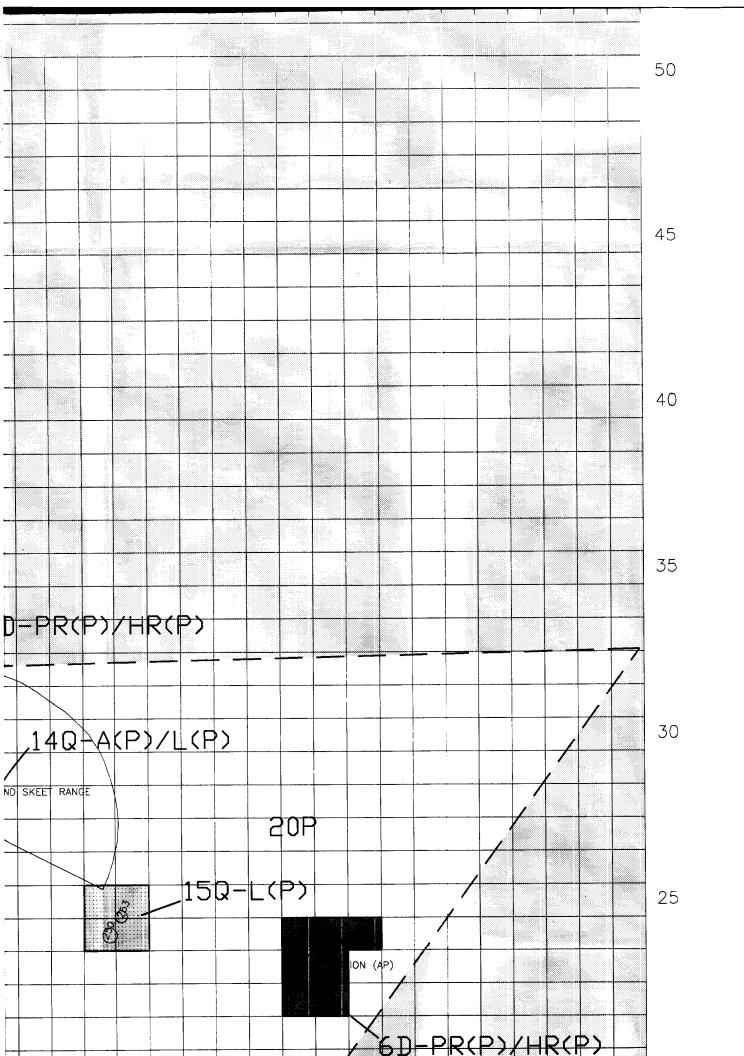
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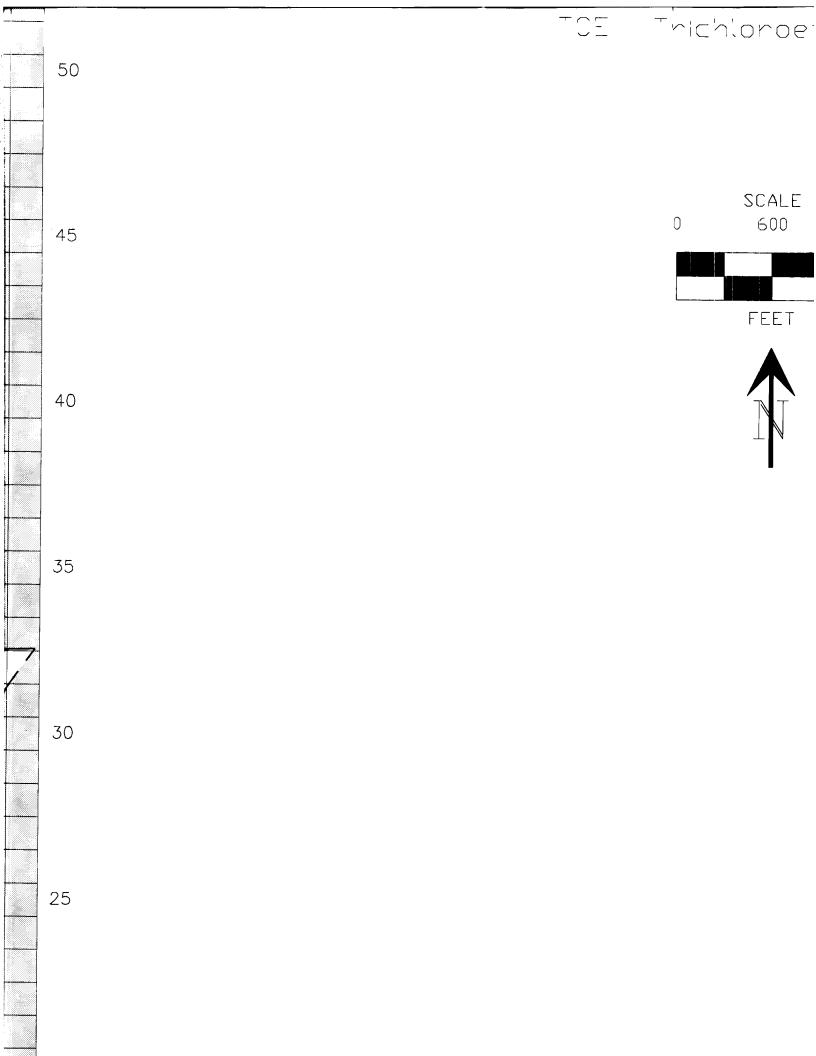
BRAC Parcel

Former Ground Disturbance Identified on Aerial Photographs
Consolidated Maintenance Facility
Former Building
Industrial Waste Lagoon
Old Industrial Waste Lagoon
Open Storage Lot
Trichloroethylene

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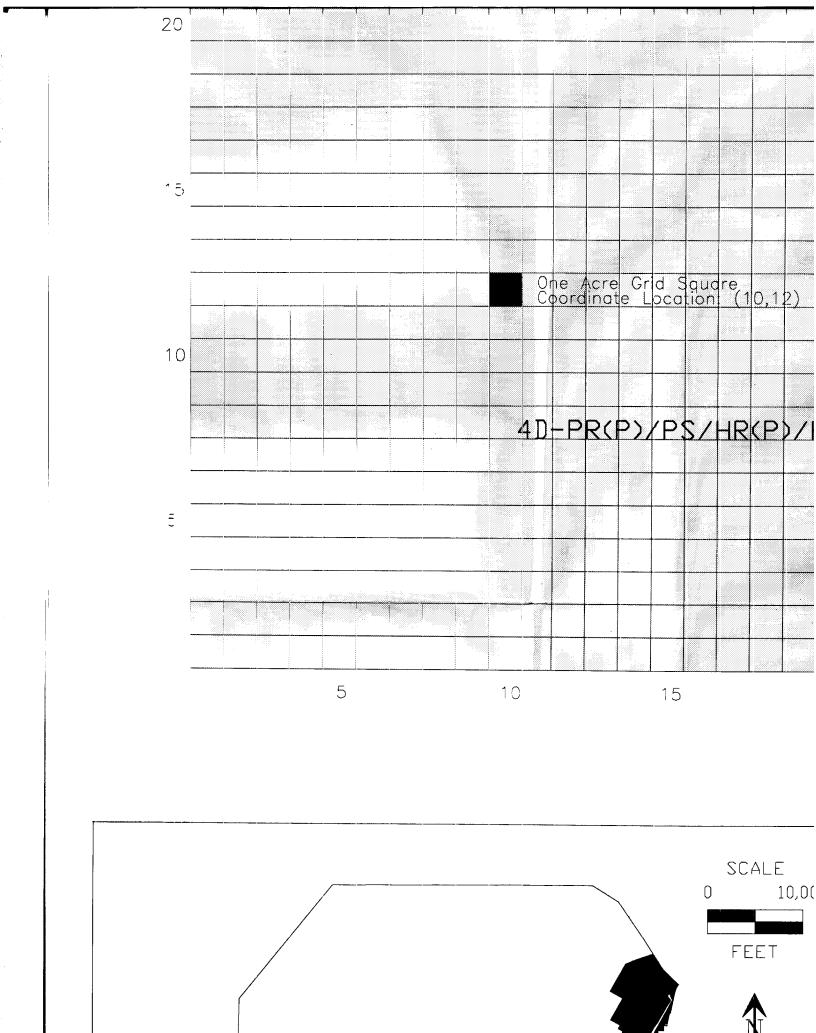
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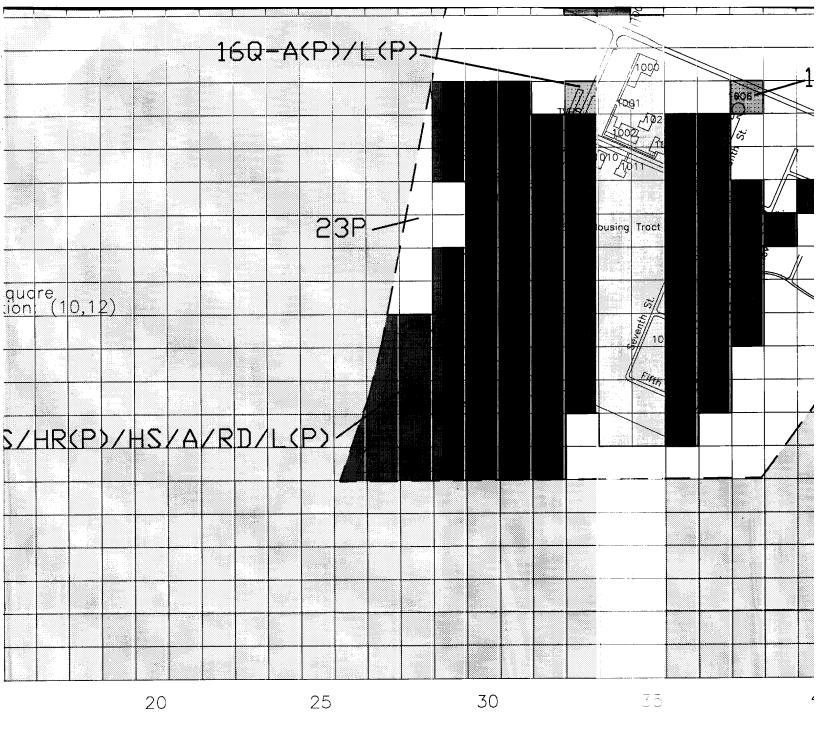
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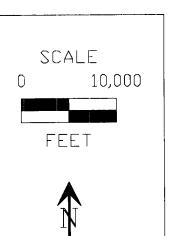


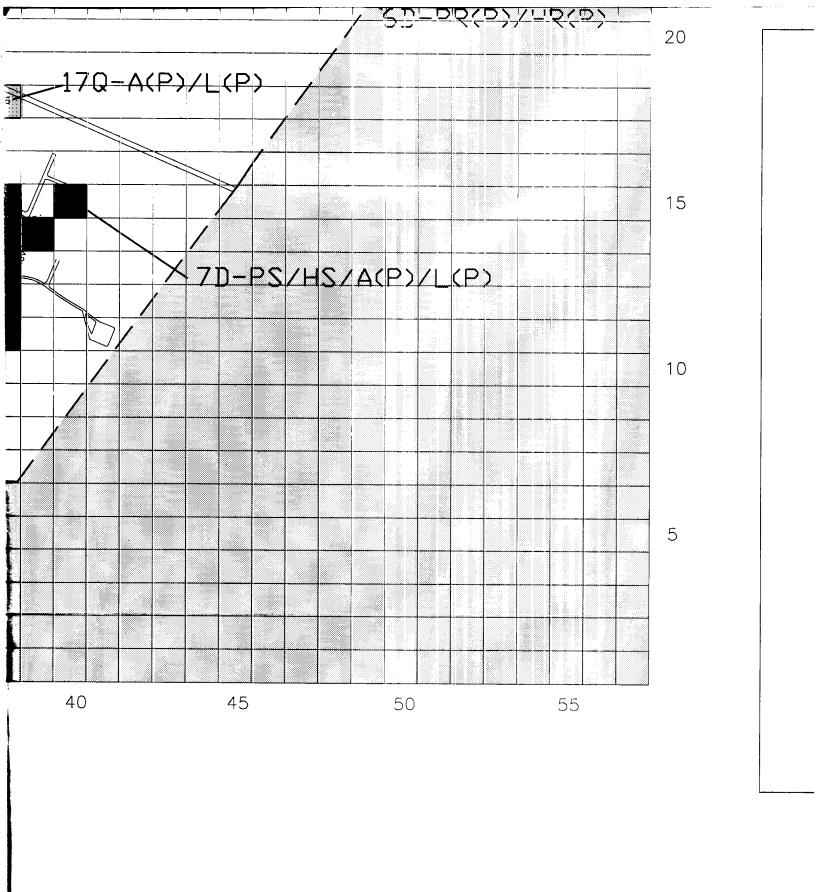
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Parcel Label Definitions

5Q-A(P)/L(P)Asbestos А Lead-Based Polychlorinate R Radon RD Radionuclides PS Petroleum St PR Petroleum Re HS Hazardous V HR Hazardous M (P) Possible CERFA Parce Р CERFA Qualif Q CERFA Disqu PARCEL NUMBER

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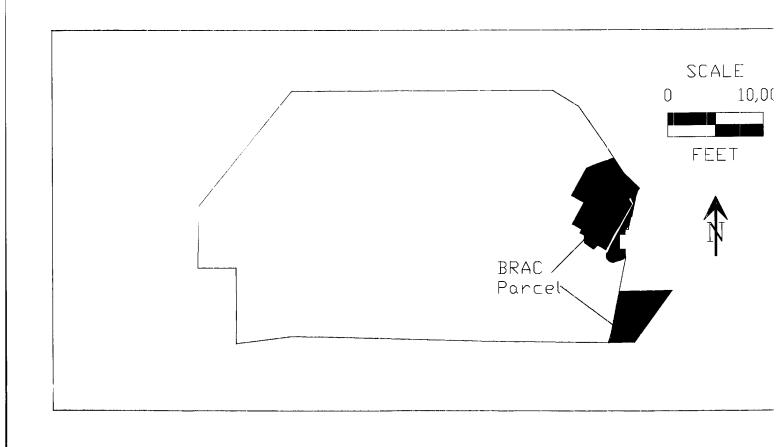
- A Asbestos
- Lead-Based Paint
- Polychlorinated Biphenyls
- Radon
- RD Radionuclides
- ²S Petroleum Storage
- PR Petroleum Release/Disposal
- HS Hazardous Material Storage
- HR Hazardous Material Release/Disposal
- (P) Possible
- P CERFA Parcel
- Q CERFA Qualified Parcel
- D CERFA Disqualifed Parcel

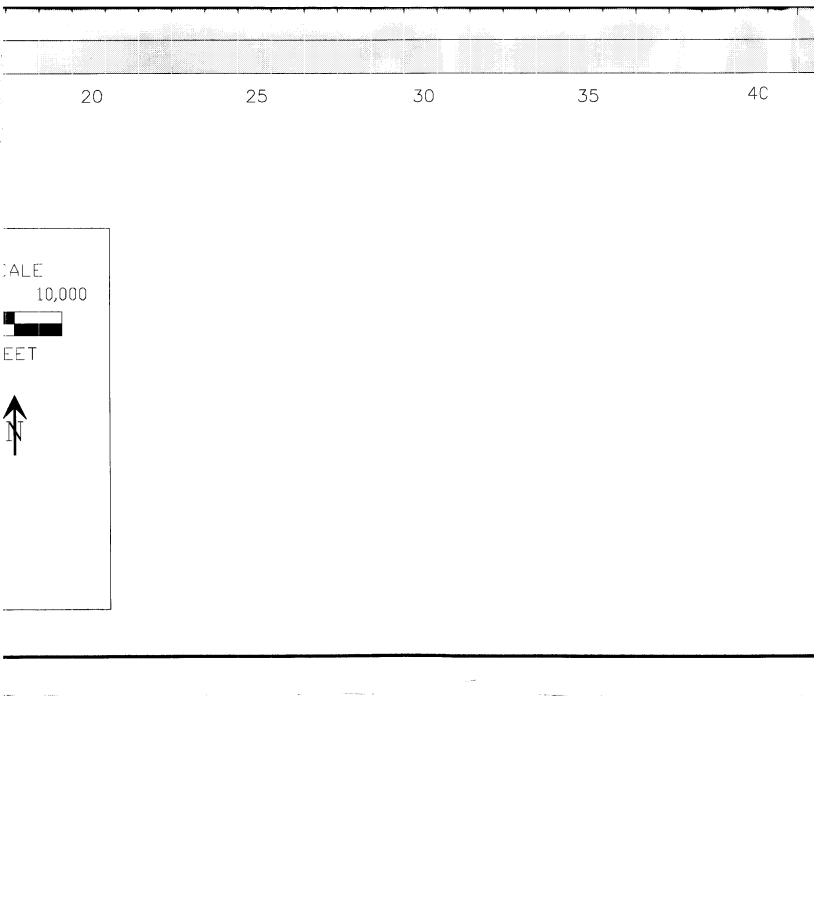
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Prepared for:

U.S. Army Environmental Center

Date Revised: 10/03/94





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Prepared for:

U.S. Army Environmental Center

Date Revised: 10/03/94

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Map 5-1

CERFA Parcel Designation Map

Prepared by: AGEISS Environmental, Inc.

FINAL